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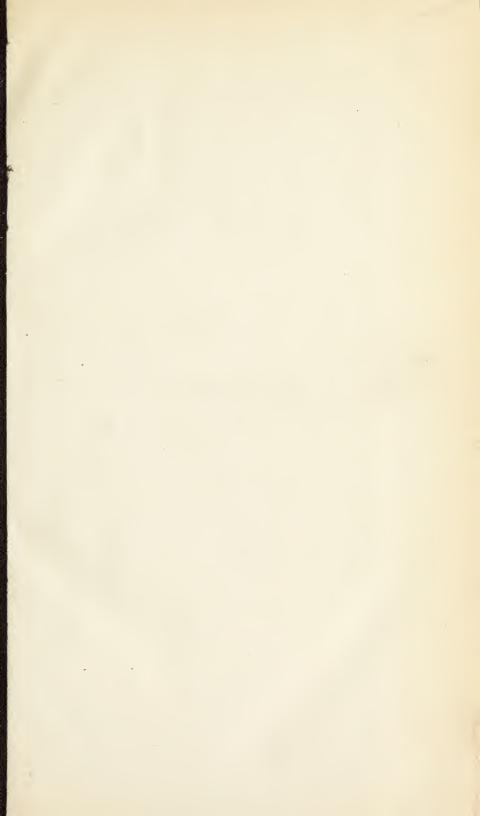




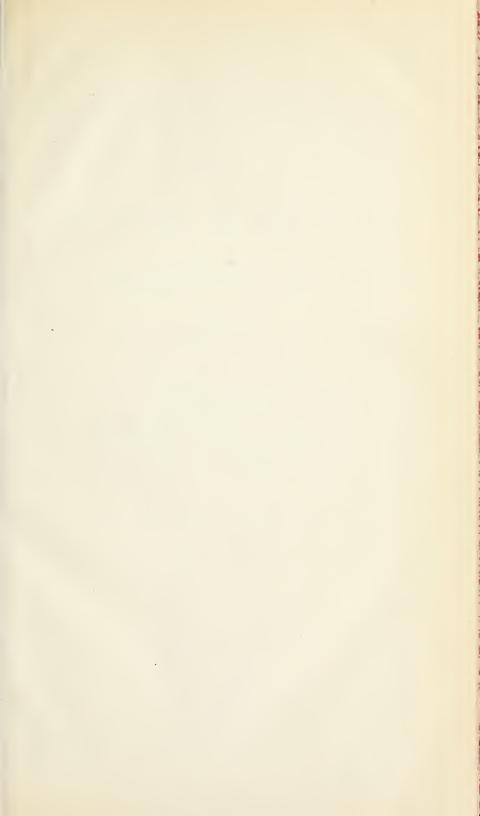
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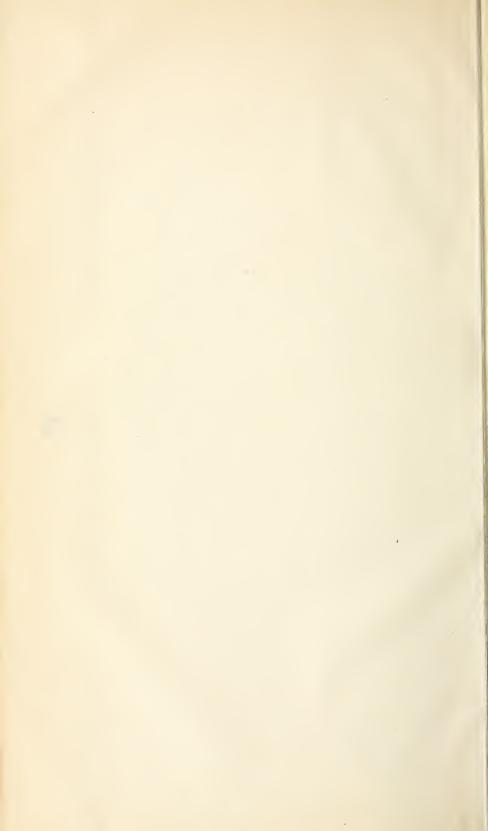


BOOK NUMBER Ag878 1902/1903 351006









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XPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

## LETTER

FROM

# THE SECRETARY OF AGRICULTURE,

TRANSMITTING

STATEMENT OF EXPENDITURES IN THAT DEPARTMENT FOR THE YEAR ENDED JUNE 30, 1903.

TECEMBER 1, 1903.—Referred to the Committee on Expenditures in the Department of Agriculture and ordered to be printed.

DEPARTMENT OF AGRICULTURE, OFFICE OF THE SECRETARY, Washington, D. C., November 28, 1903.

SIR: I have the honor to present herewith, in conformity to law, a etailed statement of the expenditures of all appropriations for the epartment of Agriculture for the fiscal year ending June 30, 1903, including supplemental accounts to November 15, inclusive.

Very respectfully,

James Wilson, Secretary.

The SPEAKER OF THE HOUSE OF REPRESENTATIVES.

Expenditures of Department of Agriculture for year ending June 30, 1903.

#### SALARIES.

Name.	Amount.	Name.	Amount.
mes Wilson H. Brigham E. Salmon F. Galloway W. Wiley fford Pinchot Iton Whitney hn Hyde O. Howard Hart Merriam bert Woods L. Evans ufrew Geddes D. Melvin M. Farrington E. Alvord	4,500.00 4,500.00 4,000.00 3,500.00 3,500.00 3,500.00 3,500.00 2,750.00 2,750.00 2,750.00 2,500.00 2,500.00 2,500.00 2,500.00 2,500.00	Jno. R. Mohler E. A. de Schweinitz Geo. W. Hill Overton W. Price G. B. Brackett. W. J. Spillman F. K. Cameron F. V. Coville Jasper Wilson S. D. Fessenden R. W. Hickman A. Zappone J. B. Bennett S. R. Burch C. B. Lower T. H. Means	2,500,00 2,500,00 2,500,00 2,500,00 2,500,00 2,500,00 2,250,00 2,250,00 2,250,00 2,250,00 2,200,00 2,000,00 2,000,00 2,000,00

#### SALARIES—Continued.

Name.	Amount.	Name.	Amount.
.G. Rice	\$2,000.00	F. N. Gegory Irvin Frickey J. C. I. Evans C. F. Morris W. S. D. Haines	\$1,400.00
. A. Arnold	2,600.00	Irvin Frickey	1,400.00
. C. Schroeder . J. Luebkert	2,000.00	J. C. I. Evans	1,400.00
J. Luebkert	2,000.00 2,000.00	C. F. Morris	1,400.00
E. Jones H. Hitchcock	1,875.00	Lillie Sullivan	1,400.00
. H. Hitchcock . B. Jones	1,856.65	W H Osgood	1,384.60
	1,805,83	W. H. Osgood M. McCutchen	1,377.80 1,361.96
H. Greathouse D. Yerby D. Stallings	1,800.00	F. P. Veitch H. R. Smedes Geo. F. Thompson	1 334 80
.D. Yerby	1,800.00	H. R. Smedes	1,300.00
. D. Stallings	1,800.00	Geo. F. Thompson	1, 290, 00
B. Handy	1,800.00	A. G. Gutnridge	1,200.00
B. Handy B. Harrison E. Smith	1,800.00 1,800.00	Thos. J. Ray Geo. A. Harlow	1,200.00
W Stone	1,800.00	E. H. Stevens	1,200.00 $1,200.00$
W. Stone J. H. Gerdes	1,800.00	Virginia Willer	1,200.00
V. L. Hall	1,800.00	Virginia Miller M. B. Zimmerman Alta C. Baldwin	1, 200. 00
. R. Rutter	1,800.00	Alta C. Baldwin	1,200.00
A. Clark	1,800.00	C. B. Clark W. F. Wight B. M. Dodson	1 200 00
. K. Fisher . L. Shear	1,800.00	W.F. Wight	1,200.00
. L. Shear	1,800.00	B. M. Dodson	1, 200. 0t
. K. Chesnut	1,800.00	I. J. Nichols	1,200.00
avid Griffiths	1,800.00 1,800.00	F. J. P. Cleary M. E. Edwards M. E. Thorn C. P. Finels	1,200.00 1,200.00
J. Hioloman	1,800.00	M. E. Edwards	1,200.00
. E. Dorsey V. Hieleman arlton R. Ball	1,800.00	C. B. Finckle	1,200.00 $1,200.00$
. W. Coquillett	1,726,66	M. M. Ingram	1,200.00
has. C. Moore, jr	1,726.66 1,700.00	W. M. King	1,200.00
has. C. Moore, jr , J. Washburn	1,656.64	M. M. Ingram W. M. King V. K. Wharton	1,200.00
Dert Hassell	1,651.70	w.A. Snerman	1,200.00
A. Harvey osephine Brigham	1,600.00	Jas. R. Covert Lena G. Shepherd	1,200.00
osepnine Brigham	1,600.00	Lena G. Snepnerd	1,200.00
V. C. Pennywitt	1,600.00 $1,600.00$	M. A. S. Colman	1,200.00
. M. Houseman . F. Harrington	1,600.00	Emma B. Hawks M. G. Champney Arthur H. Howell	1,200.00 1,200.00
eo E King	1,600.00	Arthur H Howell	1, 200.00
eo. E. King . A. Leith	1,600.00	Ada B. Morrison	1, 200, 00
. C. Clark	1,600.00	J. A. Rice	1,200.00 1,200.00
.C. Clark b. W. Stier	1,600.00	J. A. Rice Sylvester D. Judd	1.200.00
. I. W ((QQ	1,600.00	D. G. Passmore	1,200.00
phraim Cornman	1,600.00	Emily C. McDonell	1,200.00
phraim Cornman A. Emory heo. Pergande (ellie E. Fealy F. Jones A. Bonsteel her H. Scaton	1,600.00	D. G. Passmore Emily C. McDonell E. W. Catheart L. J. Smith	1,200.00
neo. Pergande	1,600.00 $1,600.00$	Wm F Toylor	1,200.00 1,200.00
F Jones	1,600.00	Wm. E. Taylor Ernest Morsell Otis H. Gates	1,200.00
A Bonsteel	1,600.00	Otis H. Gates	1,200.00
	1,600.00	R. F. Johnson	1 200 00
lertha Burch lenry Oldys os. Abel	1,500,00	A. G. McCall G. N. Coffey	1,200.00
lenry Oldys	1,500.00	G. N. Coffey	1,200.00
os. Abel	1,456,62	Janett Steurt Henry Winckelmann Chas. A. Drake	1,200.00
no. S. Buckley as. M. Pickens larry N. Price	1,456.62	Henry Winckelmann	1,200.00 $1,200.00$
as, M. Pickens	1,448.34 1,400.00	Chas. A. Drake	1,200.00 $1,200.00$
	1,400.00	Harry L. Hill G. F. Schwarz	1,200.00
arrie Du Rois	1,400.00	Edw Block	1,200.00 1,200.00 1,200.00
C Cox	1,400.00	Edw. Block Chas. L. Kolb	1, 200, 00
E. Donnelly	1,400.00	Ino Folor	1 900 00
arrie Du Bois. . C. Cox . E. Donnelly ouise Breedin.	1,400.00	A. M. Winfield Nellie F. Haughton Mary A. Marshall M. H. Mahon	1, 200, 00
nna Montgomery	1,400.00	Nellie F. Haughton	1,200.00
H. Hendrix	1,400.00	Mary A. Marshall	1,200.00
I. F. Stafford J. G. Ward, jr J. P. M. Haas	1,400.00	M. H. Mahon	1,200.00 1,200.00
D. Ward, Jr	1,400.00 1,400.00	M. H. Manon T. A. Scott Mary E. Fagin A. G. Masius Anna L. Pierce J. H. Barnes W. Caul Heart	1,200.0
. P. M. Haas	1, 400, 00	A G Mosins	1, 178.6
mma S. Thompson	1,400.00	Anna I. Pierce	1, 164. 20
arihel R Rarnett	1,400.00	J H Barnes	1, 158. 0
aribel R. Barnett	1,400.00	W. Carl Hyatt	1 157 14
V A Orton	1, 400, 00	Mary F. Dent	1, 149. 47
lary M. McClure dmund Burk	1,400.00	W. Carl Hyatt Mary F. Dent H. M. Hendrick Geo. W. Baumann	1,100.00
dmund Burk	1,400.00	Geo. W. Baumann	1,099.46
	1,400.00		1,091.66
V. W. Tracy, jr	1,400.00	J. N. Baker	1,078.26
V. W. Tracy, jr S. Bliss Lice Henkel Lora W. Paterson	1,400.00	J. N. Baker G. H. Failyer H. L. Vining	1,065.20
llore W Peterson	1,400.00	Annie Guggenheimer	1,061.5
I S Tidd	1,400.00 1,400.00	Restrice C. Oberly	1,047.20 1,044.0
I.S. Tidd . G. Holmes	1,400.00	F M Oreutt	1,026,24
			my 01001 107
V. G. Smith	1 400 00	J. C. Wight	1,004.4
. (f. Holmes V. G. Smith IeP. Reynolds Iary Sullivan Evelyn Lyons	1,400.00 1,400.00	Annie Guggenheimer Beatrice C. Oberly F. M. Orcutt J. C. Wight W. F. Tomlinson Bertha Hieges	1,004.4 1,000.0 1,000.0

## EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

## Expenditures of Department of Agriculture for year ending June 30, 1903—Cont'd. SALARIES—Continued.

Friest A. Bennett		SALARIES-		
M. W. W. Jones   1,000,00   Clarence Bean   1,	Name.	Amount.	Name.	Amount.
M. W. W. Jones   1,000,00   Clarence Bean   1,	Ernest A Rennett	\$1,000,00	AN Kite	\$720.00
M. W. W. Jones   1,000,00   Clarence Bean   1,	Wm. A. Murray	1,000.00	W. C. Shimoneck	720.00
M. W. W. Jones   1,000,00   Clarence Bean   1,	Marion A. Nelson		Harry Compton	720.00
M. L. Wood	C.E. Bracey	1,000.00		720.00
M. L. Wood	W W Jones	1,000.00	B. T. Ridgeway	720.00
M. L. Wood	Helen E. Grav		J. M. Boardman	720.00
M. L. Wood	M.S.Bowie	1,000.00	W. H. Johnson	720.00
M. L. Wood	F. C. Cooney	1,000.00	M. F. Ryan	720.00
M. L. Wood	A. M. Wright		W.H. Moore	
Nath   Shattswell   1,000   1	Sallie G Adams	1,000.00	Emory C. Morton	
Nath   Shattswell   1,000   1	M. L. Wood	1,000.00	R. H. Čook,	
H.C. Oberholzer	Nathl. Shattswell	1,000.00		
H.C. Oberholzer	E. N. Ogden	1,000.00	Alfred Hawkins	720.00
H.C. Oberholzer	N. F. Tastet	1,000.00	Otto Heidemann	703.30
Heart   Hear	H.C. Oberholzer	1,000,00	H.P. Gould	700.00
Heart   Hear	S.E. Miller	1,000.00	S. H. Fulton	
Carl G. Crawford	W.A. Ball	1,000.00	R.P. Caruthers	698.40
Carl G. Crawford	E H Bradley	1,000.00	Holon Ctoolthuidae	684 83
Carl G. Crawford	W. M. Pollock	1,000,00	G. W. Stiles	682, 30
Carl G. Crawford	F. M. J. Green	1,000.00	W.D. Bigelow	
Geo. W. Brett	F. O. Martin	1,000.00	Geo. G. Anderson	, 662. 20
Geo. W. Brett	Fanny M Allen	1,000.00	F. A Reynolds	
B. J. Newmyer	Edna M. Frost	1,000.00	Merritt Carey	652.17
B. J. Newmyer	Geo. W. Brett	1,000.00	C.K.Bragdon	650.00
E. J. Newmyer	F. R. Fravell	1,000.00	R.S. Hosmer	641.62
M. S. Stampler 959. 24 (Seo. P. McCabe 600. 00 J. W m. Fink 943. 48 F. B. Linton 600. 00 J. B. Adams 943. 48 F. B. Linton 600. 00 Helen M. Thompson 926. 67 J. H. Gordon 600. 00 Helen M. Thompson 926. 67 J. H. Gordon 600. 00 Julius E. Rockwell 924. 87 Effie M. Young 594. 78 S. E. Jenkins 920. 00 Elva E. Hicks 556. 10 J. H. Grant 900. 00 R. Kleinsmith 556. 10 J. H. Grant 900. 00 R. Kleinsmith 556. 10 E. G. Runyan 900. 00 Marie T. Spethman 554. 20 Quincy R. Craft 900. 00 J. W. T. Duwell 550. 00 Sue M. Gill 900. 00 Harry Hayward 5563. 23 G. L. Woodin 900. 00 Harry Hayward 555. 00 Sue M. Gill 900. 00 Charles D. Harvey 900. 00 Celia Gillety 550. 00 Charles D. Harvey 900. 00 Celia Gillety 550. 00 Annette M. Dye 870. 00 S. W. Halsey 550. 00 Annette M. Dye 870. 00 S. W. Halsey 550. 00 Annette M. Dye 870. 00 S. W. Halsey 900. 00 Charles D. Harvey 900. 00 Celia Gillety 980. 90 Annie M. Parker 880. 00 Willis W. Cooke 988. 90 Thos. S. Reamy 880. 00 Chas. S. Weidman 880. 00 Susie Morgan 480. 00 Chas. S. Weidman 880. 00 Susie Morgan 480. 00 Chas. S. Weidman 880. 00 Susie Morgan 480. 00 Chas. S. Weidman 880. 00 Susie Morgan 480. 00 Chas. S. Weidman 880. 00 A. H. Love 983. 31 J. A. Hornbaker 983. 34 J. A. H. Brooks 880. 00 A. A. H. Brooks 880. 00 A. A. H. Brooks 980. 00 Carrie Meyers 980. 00 Ca	E J Newmyer	1,000.00	J B: Bield	
M. S. Stampler 959. 24 (Seo. P. McCabe 600. 00 J. W m. Fink 943. 48 F. B. Linton 600. 00 J. B. Adams 943. 48 F. B. Linton 600. 00 Helen M. Thompson 926. 67 J. H. Gordon 600. 00 Helen M. Thompson 926. 67 J. H. Gordon 600. 00 Julius E. Rockwell 924. 87 Effie M. Young 594. 78 S. E. Jenkins 920. 00 Elva E. Hicks 556. 10 J. H. Grant 900. 00 R. Kleinsmith 556. 10 J. H. Grant 900. 00 R. Kleinsmith 556. 10 E. G. Runyan 900. 00 Marie T. Spethman 554. 20 Quincy R. Craft 900. 00 J. W. T. Duwell 550. 00 Sue M. Gill 900. 00 Harry Hayward 5563. 23 G. L. Woodin 900. 00 Harry Hayward 555. 00 Sue M. Gill 900. 00 Charles D. Harvey 900. 00 Celia Gillety 550. 00 Charles D. Harvey 900. 00 Celia Gillety 550. 00 Annette M. Dye 870. 00 S. W. Halsey 550. 00 Annette M. Dye 870. 00 S. W. Halsey 550. 00 Annette M. Dye 870. 00 S. W. Halsey 900. 00 Charles D. Harvey 900. 00 Celia Gillety 980. 90 Annie M. Parker 880. 00 Willis W. Cooke 988. 90 Thos. S. Reamy 880. 00 Chas. S. Weidman 880. 00 Susie Morgan 480. 00 Chas. S. Weidman 880. 00 Susie Morgan 480. 00 Chas. S. Weidman 880. 00 Susie Morgan 480. 00 Chas. S. Weidman 880. 00 Susie Morgan 480. 00 Chas. S. Weidman 880. 00 A. H. Love 983. 31 J. A. Hornbaker 983. 34 J. A. H. Brooks 880. 00 A. A. H. Brooks 880. 00 A. A. H. Brooks 980. 00 Carrie Meyers 980. 00 Ca	B. J. Wasdon	1,000.00	M. F. Warner	630,00
M. S. Stampler 959. 24 (Seo. P. McCabe 600. 00 J. W m. Fink 943. 48 F. B. Linton 600. 00 J. B. Adams 943. 48 F. B. Linton 600. 00 Helen M. Thompson 926. 67 J. H. Gordon 600. 00 Helen M. Thompson 926. 67 J. H. Gordon 600. 00 Julius E. Rockwell 924. 87 Effie M. Young 594. 78 S. E. Jenkins 920. 00 Elva E. Hicks 556. 10 J. H. Grant 900. 00 R. Kleinsmith 556. 10 J. H. Grant 900. 00 R. Kleinsmith 556. 10 E. G. Runyan 900. 00 Marie T. Spethman 554. 20 Quincy R. Craft 900. 00 J. W. T. Duwell 550. 00 Sue M. Gill 900. 00 Harry Hayward 5563. 23 G. L. Woodin 900. 00 Harry Hayward 555. 00 Sue M. Gill 900. 00 Charles D. Harvey 900. 00 Celia Gillety 550. 00 Charles D. Harvey 900. 00 Celia Gillety 550. 00 Annette M. Dye 870. 00 S. W. Halsey 550. 00 Annette M. Dye 870. 00 S. W. Halsey 550. 00 Annette M. Dye 870. 00 S. W. Halsey 900. 00 Charles D. Harvey 900. 00 Celia Gillety 980. 90 Annie M. Parker 880. 00 Willis W. Cooke 988. 90 Thos. S. Reamy 880. 00 Chas. S. Weidman 880. 00 Susie Morgan 480. 00 Chas. S. Weidman 880. 00 Susie Morgan 480. 00 Chas. S. Weidman 880. 00 Susie Morgan 480. 00 Chas. S. Weidman 880. 00 Susie Morgan 480. 00 Chas. S. Weidman 880. 00 A. H. Love 983. 31 J. A. Hornbaker 983. 34 J. A. H. Brooks 880. 00 A. A. H. Brooks 880. 00 A. A. H. Brooks 980. 00 Carrie Meyers 980. 00 Ca	M.C. Stoddart	997.28	J. W. Tourney	622.45
Helen M. Thompson   926, 67   J. H. Gordon   600, 00   Julius E. Rockwell   924, 87   Effie M. Young   594, 78   Frank Sprague   600, 00   J. W. H. Grant   900, 00   R. K. Ichismith   586, 10   J. H. Grant   900, 00   R. K. Ichismith   586, 10   J. H. Grant   900, 00   Marie T. Spethman   584, 20   Quincy R. Craft   900, 00   G. K. Holmes   563, 23   G. L. Woodin   900, 00   J. W. T. Duvell   550, 00   Sue M. Gill   900, 00   J. W. T. Duvell   550, 00   Thos. Riggles   900, 00   A. H. B. Kenney   542, 92   E. M. Hollidge   900, 00   Celia Gillety   540, 00   Charles D. Harvey   900, 00   J. S. Lee   540, 00   Annette M. Dye   870, 00   S. W. Halsey   505, 99   Daisy M. Murphy   883, 33   J. N. Hornbaker   498, 90   Annie M. Parker   840, 00   Willis W. Cooke   498, 90   Thos. B. Reamy   840, 00   Willis W. Cooke   498, 90   Thos. B. Reamy   840, 00   Willis W. Cooke   498, 90   A. G. Crain   840, 00   Martha Boss   480, 00   Martha Boss   480, 00   Martha Boss   480, 00   A. H. Love   472, 83   Lawrence Gallagher   840, 00   Martha Boss   480, 00   A. H. Love   472, 83   Lawrence Gallagher   840, 00   A. H. Love   472, 83   Lawrence Gallagher   840, 00   A. H. Love   472, 83   Lawrence Gallagher   840, 00   A. H. Love   472, 83   Lawrence Gallagher   840, 00   A. H. Love   472, 83   Lawrence Gallagher   840, 00   A. H. Love   472, 83   Lawrence Gallagher   840, 00   A. H. Love   472, 83   Lawrence Gallagher   840, 00   A. H. Love   472, 83   Lawrence Gallagher   840, 00   A. H. Love   472, 83   Lawrence Gallagher   840, 00   A. H. Love   472, 83   Lawrence Gallagher   840, 00   A. H. Love   472, 83   Lawrence Gallagher   840, 00   A. H. Love   472, 83   Lawrence Gallagher   840, 00   A. H. Love   472, 83   Lawrence Gallagher   840, 00   A. H. Love   472, 83   Lawrence Gallagher   840, 00   A. H. Love   472, 83   Lawrence Ga	M. N. Barnard	994.44	W.S. Griffith	607.50
Helen M. Thompson   926, 67   J. H. Gordon   600, 00   Julius E. Rockwell   924, 87   Effie M. Young   594, 78   Frank Sprague   600, 00   J. W. H. Grant   900, 00   R. K. Ichismith   586, 10   J. H. Grant   900, 00   R. K. Ichismith   586, 10   J. H. Grant   900, 00   Marie T. Spethman   584, 20   Quincy R. Craft   900, 00   G. K. Holmes   563, 23   G. L. Woodin   900, 00   J. W. T. Duvell   550, 00   Sue M. Gill   900, 00   J. W. T. Duvell   550, 00   Thos. Riggles   900, 00   A. H. B. Kenney   542, 92   E. M. Hollidge   900, 00   Celia Gillety   540, 00   Charles D. Harvey   900, 00   J. S. Lee   540, 00   Annette M. Dye   870, 00   S. W. Halsey   505, 99   Daisy M. Murphy   883, 33   J. N. Hornbaker   498, 90   Annie M. Parker   840, 00   Willis W. Cooke   498, 90   Thos. B. Reamy   840, 00   Willis W. Cooke   498, 90   Thos. B. Reamy   840, 00   Willis W. Cooke   498, 90   A. G. Crain   840, 00   Martha Boss   480, 00   Martha Boss   480, 00   Martha Boss   480, 00   A. H. Love   472, 83   Lawrence Gallagher   840, 00   Martha Boss   480, 00   A. H. Love   472, 83   Lawrence Gallagher   840, 00   A. H. Love   472, 83   Lawrence Gallagher   840, 00   A. H. Love   472, 83   Lawrence Gallagher   840, 00   A. H. Love   472, 83   Lawrence Gallagher   840, 00   A. H. Love   472, 83   Lawrence Gallagher   840, 00   A. H. Love   472, 83   Lawrence Gallagher   840, 00   A. H. Love   472, 83   Lawrence Gallagher   840, 00   A. H. Love   472, 83   Lawrence Gallagher   840, 00   A. H. Love   472, 83   Lawrence Gallagher   840, 00   A. H. Love   472, 83   Lawrence Gallagher   840, 00   A. H. Love   472, 83   Lawrence Gallagher   840, 00   A. H. Love   472, 83   Lawrence Gallagher   840, 00   A. H. Love   472, 83   Lawrence Gallagher   840, 00   A. H. Love   472, 83   Lawrence Gallagher   840, 00   A. H. Love   472, 83   Lawrence Ga	J. Wm. Fink	913 18	F B Linton	600.00
Helen M. Thompson   925, 67   J. H. Gordon   600, 600   Julius E. Rockwell   924, 87   Effie M. Young   594, 78   S. E. Jenkins   920, 00   Elva E. Hicks   556, 10   E. G. Runyan   900, 00   R. Kleinsmith   586, 10   E. G. Runyan   900, 00   R. Kleinsmith   584, 20   Quincy R. Craft   900, 00   G. K. Holmes   563, 23   G. L. Woodin   900, 00   J. W. T. Duvell   550, 00   Sue M. Gill   900, 00   J. W. T. Duvell   550, 00   Sue M. Gill   900, 00   Harry Hayward   545, 00   Thos. Riggles   900, 00   A. H. B. Kenney   542, 92   E. M. Hollidge   900, 00   Celia Gillety   540, 00   Charles D. Harvey   900, 00   J. S. Lee   540, 00   Annette M. Dyé   870, 00   S. W. Halsey   565, 99   Daisy M. Murphy   883, 33   J. N. Hornbaker   498, 90   Annie M. Parker   840, 00   Willis W. Cooke   498, 90   A. C. Crain   840, 00   Willis W. Cooke   498, 90   A. C. Crain   840, 00   Willis W. Cooke   496, 70   A. C. Crain   840, 00   Martha Boss   480, 00   Jos. Williams   840, 00   A. H. Love   472, 83   Lawrence Gallagher   840, 00   A. H. Love   472, 83   Lawrence Gallagher   840, 00   A. H. Love   472, 83   Lawrence Gallagher   840, 00   A. H. Love   472, 83   Lawrence Gallagher   840, 00   A. H. Love   472, 83   Lawrence Gallagher   840, 00   A. H. Love   472, 83   Lawrence Gallagher   840, 00   A. H. Love   472, 83   Lawrence Gallagher   840, 00   A. H. Love   472, 83   Lawrence Gallagher   840, 00   A. H. Love   472, 83   Lawrence Gallagher   840, 00   A. R. Love   472, 83   Lawrence Gallagher   840, 00   A. R. Love   472, 83   Lawrence Gallagher   840, 00   A. R. Love   472, 83   Lawrence Gallagher   840, 00   A. R. Love   472, 83   Lawrence Gallagher   840, 00   A. R. Love   472, 83   Lawrence Gallagher   840, 00   A. R. Love   472, 83   Lawrence Gallagher   840, 00   A. R. Love   472, 83   Lawrence Gallagher   840, 00   A. R. Love   472, 83   Lawrence Gallagher   840, 00   A. R. Love   472, 83   A. R. Brooks   840, 00   A. R. R. Love   472, 83   A. R. Brooks   840, 00   A. R. R. R. Grooks   472, 80   A. R. R. Grooks   4	J B Adams		Frank Sprague	600,00
S. E. Jenkins         920.00         E. Iva E. Hicks         586, 10           J. H. Grant         900.00         R. Kleinsmith         586, 10           E. G. Runyan         900.00         R. Kleinsmith         584, 20           Quincy R. Craft         900.00         G. K. Holmes         563, 23           G. L. Woodin         900.00         G. K. Holmes         563, 23           G. L. Woodin         900.00         Harry Hayward         545, 50           Thos. Riggles         900.00         A. H. B. Kenney         542, 92           E. M. Hollidge         900.00         A. H. B. Kenney         542, 92           E. M. Hollidge         900.00         Celia Gillety         540, 00           Annette M. Dye         870.00         S. W. Halsey         555, 09           Daisy M. Murphy         863, 33         J. N. Hornbaker         498, 90           Annie M. Parker         840.00         Willis W. Cooke         498, 90           Ahnie M. Parker         840.00         Willis W. Cooke         498, 90           Margaret L. Sewell         840.00         Nelson Kent         488, 90           Margaret L. Sewell         840.00         Narha Boss         480, 00           Chas. S. Weidman         840.00	Helen M. Thompson	926.67	J. H. Gordon	600.00
C. H. Grant	Julius E. Rockwell		Effie M. Young	594.78
A. C. Crain       840.00       Nelson Kent       488.90         Margaret L. Sewell       840.00       Martha Boss       480.00         Chas, S. Weidman       840.00       Susie Morgan       480.00         Jos. Williams       840.00       A. H. Love       472.83         Lawrence Gallagher       840.00       Allen Dodge       453.34         A. H. Brooks       840.00       Allen Dodge       453.33         J. A. Mason       840.00       Allen Dodge       453.33         J. A. Mason       840.00       A. Newton       450.00         R. H. Edmondson       840.00       A. A. Newton       490.30         R. T. Fisher       827.16       J. V. Joyce       425.81         Jno. Roberts       817.90       Amy B. Hill       420.00         Sara Skinner       796.10       Mark Winchester       419.20         W. J. Nevins       791.20       G. L. Vermillion       414.89         Lillian Burch       790.20       C. Walden       413.90         Fred Lees       778.55       J. R. Raley       405.00         L. J. Simonton       769.20       C. C. Carroll       396.67         A. B. Houser       752.06       Edith Simonton       356.63	J. H. Grant		R. Kleinsmith	586.10
A. C. Crain       840.00       Nelson Kent       488.90         Margaret L. Sewell       840.00       Martha Boss       480.00         Chas, S. Weidman       840.00       Susie Morgan       480.00         Jos. Williams       840.00       A. H. Love       472.83         Lawrence Gallagher       840.00       Allen Dodge       453.34         A. H. Brooks       840.00       Allen Dodge       453.33         J. A. Mason       840.00       Allen Dodge       453.33         J. A. Mason       840.00       A. Newton       450.00         R. H. Edmondson       840.00       A. A. Newton       490.30         R. T. Fisher       827.16       J. V. Joyce       425.81         Jno. Roberts       817.90       Amy B. Hill       420.00         Sara Skinner       796.10       Mark Winchester       419.20         W. J. Nevins       791.20       G. L. Vermillion       414.89         Lillian Burch       790.20       C. Walden       413.90         Fred Lees       778.55       J. R. Raley       405.00         L. J. Simonton       769.20       C. C. Carroll       396.67         A. B. Houser       752.06       Edith Simonton       356.63	E.G. Runyan	900.00	Marie T. Spethman	584.20
A. C. Crain       840.00       Nelson Kent       488.90         Margaret L. Sewell       840.00       Martha Boss       480.00         Chas, S. Weidman       840.00       Susie Morgan       480.00         Jos. Williams       840.00       A. H. Love       472.83         Lawrence Gallagher       840.00       Allen Dodge       453.34         A. H. Brooks       840.00       Allen Dodge       453.33         J. A. Mason       840.00       Allen Dodge       453.33         J. A. Mason       840.00       A. Newton       450.00         R. H. Edmondson       840.00       A. A. Newton       490.30         R. T. Fisher       827.16       J. V. Joyce       425.81         Jno. Roberts       817.90       Amy B. Hill       420.00         Sara Skinner       796.10       Mark Winchester       419.20         W. J. Nevins       791.20       G. L. Vermillion       414.89         Lillian Burch       790.20       C. Walden       413.90         Fred Lees       778.55       J. R. Raley       405.00         L. J. Simonton       769.20       C. C. Carroll       396.67         A. B. Houser       752.06       Edith Simonton       356.63	Quincy R. Craft	900.00	G. K. Holmes	563. 23
A. C. Crain       840.00       Nelson Kent       488.90         Margaret L. Sewell       840.00       Martha Boss       480.00         Chas, S. Weidman       840.00       Susie Morgan       480.00         Jos. Williams       840.00       A. H. Love       472.83         Lawrence Gallagher       840.00       Allen Dodge       453.34         A. H. Brooks       840.00       Allen Dodge       453.33         J. A. Mason       840.00       Allen Dodge       453.33         J. A. Mason       840.00       A. Newton       450.00         R. H. Edmondson       840.00       A. A. Newton       490.30         R. T. Fisher       827.16       J. V. Joyce       425.81         Jno. Roberts       817.90       Amy B. Hill       420.00         Sara Skinner       796.10       Mark Winchester       419.20         W. J. Nevins       791.20       G. L. Vermillion       414.89         Lillian Burch       790.20       C. Walden       413.90         Fred Lees       778.55       J. R. Raley       405.00         L. J. Simonton       769.20       C. C. Carroll       396.67         A. B. Houser       752.06       Edith Simonton       356.63	Suo M Gill		J. W. T. Duvell	
A. C. Crain       840.00       Nelson Kent       488.90         Margaret L. Sewell       840.00       Martha Boss       480.00         Chas, S. Weidman       840.00       Susie Morgan       480.00         Jos. Williams       840.00       A. H. Love       472.83         Lawrence Gallagher       840.00       Allen Dodge       453.34         A. H. Brooks       840.00       Allen Dodge       453.33         J. A. Mason       840.00       Allen Dodge       453.33         J. A. Mason       840.00       A. Newton       450.00         R. H. Edmondson       840.00       A. A. Newton       490.30         R. T. Fisher       827.16       J. V. Joyce       425.81         Jno. Roberts       817.90       Amy B. Hill       420.00         Sara Skinner       796.10       Mark Winchester       419.20         W. J. Nevins       791.20       G. L. Vermillion       414.89         Lillian Burch       790.20       C. Walden       413.90         Fred Lees       778.55       J. R. Raley       405.00         L. J. Simonton       769.20       C. C. Carroll       396.67         A. B. Houser       752.06       Edith Simonton       356.63	Thos. Riggles	900.00	A. H. B. Kenney	542.92
A. C. Crain       840.00       Nelson Kent       488.90         Margaret L. Sewell       840.00       Martha Boss       480.00         Chas, S. Weidman       840.00       Susie Morgan       480.00         Jos. Williams       840.00       A. H. Love       472.83         Lawrence Gallagher       840.00       Allen Dodge       453.34         A. H. Brooks       840.00       Allen Dodge       453.33         J. A. Mason       840.00       Allen Dodge       453.33         J. A. Mason       840.00       A. Newton       450.00         R. H. Edmondson       840.00       A. A. Newton       490.30         R. T. Fisher       827.16       J. V. Joyce       425.81         Jno. Roberts       817.90       Amy B. Hill       420.00         Sara Skinner       796.10       Mark Winchester       419.20         W. J. Nevins       791.20       G. L. Vermillion       414.89         Lillian Burch       790.20       C. Walden       413.90         Fred Lees       778.55       J. R. Raley       405.00         L. J. Simonton       769.20       C. C. Carroll       396.67         A. B. Houser       752.06       Edith Simonton       356.63	E. M. Hollidge	900.00	Celia Gillety	540.00
A. C. Crain       840.00       Nelson Kent       488.90         Margaret L. Sewell       840.00       Martha Boss       480.00         Chas, S. Weidman       840.00       Susie Morgan       480.00         Jos. Williams       840.00       A. H. Love       472.83         Lawrence Gallagher       840.00       Allen Dodge       453.34         A. H. Brooks       840.00       Allen Dodge       453.33         J. A. Mason       840.00       Allen Dodge       453.33         J. A. Mason       840.00       A. Newton       450.00         R. H. Edmondson       840.00       A. A. Newton       490.30         R. T. Fisher       827.16       J. V. Joyce       425.81         Jno. Roberts       817.90       Amy B. Hill       420.00         Sara Skinner       796.10       Mark Winchester       419.20         W. J. Nevins       791.20       G. L. Vermillion       414.89         Lillian Burch       790.20       C. Walden       413.90         Fred Lees       778.55       J. R. Raley       405.00         L. J. Simonton       769.20       C. C. Carroll       396.67         A. B. Houser       752.06       Edith Simonton       356.63	Charles D. Harvey	900,00	J. S. Lee	540.00
A. C. Crain       840.00       Nelson Kent       488.90         Margaret L. Sewell       840.00       Martha Boss       480.00         Chas, S. Weidman       840.00       Susie Morgan       480.00         Jos. Williams       840.00       A. H. Love       472.83         Lawrence Gallagher       840.00       Allen Dodge       453.34         A. H. Brooks       840.00       Allen Dodge       453.33         J. A. Mason       840.00       Allen Dodge       453.33         J. A. Mason       840.00       A. Newton       450.00         R. H. Edmondson       840.00       A. A. Newton       490.30         R. T. Fisher       827.16       J. V. Joyce       425.81         Jno. Roberts       817.90       Amy B. Hill       420.00         Sara Skinner       796.10       Mark Winchester       419.20         W. J. Nevins       791.20       G. L. Vermillion       414.89         Lillian Burch       790.20       C. Walden       413.90         Fred Lees       778.55       J. R. Raley       405.00         L. J. Simonton       769.20       C. C. Carroll       396.67         A. B. Houser       752.06       Edith Simonton       356.63	Daisy M Murphy	863 33	S. W. Halsey	
A. C. Crain       840.00       Nelson Kent       488.90         Margaret L. Sewell       840.00       Martha Boss       480.00         Chas, S. Weidman       840.00       Susie Morgan       480.00         Jos. Williams       840.00       A. H. Love       472.83         Lawrence Gallagher       840.00       Allen Dodge       453.34         A. H. Brooks       840.00       Allen Dodge       453.33         J. A. Mason       840.00       Allen Dodge       453.33         J. A. Mason       840.00       A. Newton       450.00         R. H. Edmondson       840.00       A. A. Newton       490.30         R. T. Fisher       827.16       J. V. Joyce       425.81         Jno. Roberts       817.90       Amy B. Hill       420.00         Sara Skinner       796.10       Mark Winchester       419.20         W. J. Nevins       791.20       G. L. Vermillion       414.89         Lillian Burch       790.20       C. Walden       413.90         Fred Lees       778.55       J. R. Raley       405.00         L. J. Simonton       769.20       C. C. Carroll       396.67         A. B. Houser       752.06       Edith Simonton       356.63	Annie M. Parker	840,00	Willis W. Cooke	498.90
Act   Claim   Several	Thos. B. Reamy	840.00	F. C. Pratt	496,70
State   Stat	A. C. Crain	840.00	Nelson Kent	488,90
A. B. Brooks S40.00 Albert M. West 452.00 Felix T. Moore 840.00 Carrie Meyers 450.00 R. H. Edmondson 840.00 A. A. Newton 430.30 R. T. Fisher 827.16 J. V. Joyce 425.81 Jno. Roberts 817.90 Amy B. Hill 420.00 Gertrude E. Upton 800.27 Florence D. Strause 420.00 Sara Skinner 796.10 Mark Winchester 419.20 W. J. Nevins 791.20 G. L. Vermillion 414.89 Lillian Burch 790.20 C. Walden 413.90 Lillian Burch 790.20 C. Walden 413.90 L. J. Simonton 769.20 J. B. Morse 396.67 Alice S. Lawrence 769.20 C. C. Carroll 396.67 Alice S. Lawrence 769.20 C. Carroll 396.67 Alice S. Lawrence 769.20 C. C. Carroll 396.67 A. M. Houser 74.96 Emince B. Oberly 374.17 Moses Smith 720.00 David Waters 372.21 Lorenzo D. Frost 720.00 R. A. Pearson 371.68 A. J. Hodges 720.00 Anna Meyent 390.00	Chas S Weidman		Susie Morgan	480.00
A. B. Brooks S40.00 Albert M. West 452.00 Felix T. Moore 840.00 Carrie Meyers 450.00 R. H. Edmondson 840.00 A. A. Newton 430.30 R. T. Fisher 827.16 J. V. Joyce 425.81 Jno. Roberts 817.90 Amy B. Hill 420.00 Gertrude E. Upton 800.27 Florence D. Strause 420.00 Sara Skinner 796.10 Mark Winchester 419.20 W. J. Nevins 791.20 G. L. Vermillion 414.89 Lillian Burch 790.20 C. Walden 413.90 Lillian Burch 790.20 C. Walden 413.90 L. J. Simonton 769.20 J. B. Morse 396.67 Alice S. Lawrence 769.20 C. C. Carroll 396.67 Alice S. Lawrence 769.20 C. Carroll 396.67 Alice S. Lawrence 769.20 C. C. Carroll 396.67 A. M. Houser 74.96 Emince B. Oberly 374.17 Moses Smith 720.00 David Waters 372.21 Lorenzo D. Frost 720.00 R. A. Pearson 371.68 A. J. Hodges 720.00 Anna Meyent 390.00	Jos. Williams	840,00	A. H. Love	472.83
A. B. Brooks S40.00 Albert M. West 452.00 Felix T. Moore 840.00 Carrie Meyers 450.00 R. H. Edmondson 840.00 A. A. Newton 430.30 R. T. Fisher 827.16 J. V. Joyce 425.81 Jno. Roberts 817.90 Amy B. Hill 420.00 Gertrude E. Upton 800.27 Florence D. Strause 420.00 Sara Skinner 796.10 Mark Winchester 419.20 W. J. Nevins 791.20 G. L. Vermillion 414.89 Lillian Burch 790.20 C. Walden 413.90 Lillian Burch 790.20 C. Walden 413.90 L. J. Simonton 769.20 J. B. Morse 396.67 Alice S. Lawrence 769.20 C. C. Carroll 396.67 Alice S. Lawrence 769.20 C. Carroll 396.67 Alice S. Lawrence 769.20 C. C. Carroll 396.67 A. M. Houser 74.96 Emince B. Oberly 374.17 Moses Smith 720.00 David Waters 372.21 Lorenzo D. Frost 720.00 R. A. Pearson 371.68 A. J. Hodges 720.00 Anna Meyent 390.00	Lawrence Gallagher	840.00	Augusta Williams	458.34
Jno. Roberts			Allen Dodge	453.33
Jno. Roberts	Felix T. Moore		Carrie Mevers	452.00
Jno. Roberts		840.00	A.A. Newton	430.30
W. J. Nevins	R. T. Fisher	827.16	J. V. JUVCE	425.81
W. J. Nevins	Gertrude F Unton	817.90	Amy B. Hill	
Teal Lees	Sara Skinner	796.10	Mark Winchester	
Teal Lees	W. J. Nevins	791.20	G. L. Vermillion	414.89
Teta Dees	Lillian Burch	790.20	C. Walden	413.90
Alice S. Lawrence         769, 20         C. C. Carroll         396, 65           S. B. Gregory         758, 33         J. B. Faulkner         391, 66           Belle Saunders         752, 06         Edith Simonton         385, 03           Clara M. Loyd         746, 33         Emily Werner         379, 57           A. M. Houser         724, 96         Eunice B. Oberly         374, 17           Moses Smith         720, 00         David Waters         372, 21           Lorenzo D. Frost         720, 00         R. A. Pearson         371, 68           A. J. Hodges         720, 00         Jno. M. Ferris         360, 79           L. T. Harrison         720, 00         Anna M. Bryant         360, 00           Geo. I. Hall         720, 00         L. C. Kellerhouse         360, 00           C. C. Croghan         720, 00         Lucy M. Jones         359, 37	L.J. Simonton	769.20	J. K. Kaley	405.00 206.6**
S.B. Gregory     758. 33     J. B. Faulkner     991. 68       Belle Saunders     752. 06     Edith Simon     385. 03       Clara M. Loyd     746. 33     Emily Werner     379. 57       A. M. Houser     724. 96     Eunice B. Oberly     374. 17       Moses Smith     720. 00     David Waters     372. 21       Lorenzo D. Frost     720. 00     R. A. Pearson     371. 68       A. J. Hodges     720. 00     Jno. M. Ferris     560. 79       L. T. Harrison     720. 00     Anna M. Bryant     360. 00       Geo. I. Hall     720. 00     L. C. Kellerhouse     360. 00       C. C. Croghan     720. 00     Lucy M. Jones     359. 37	Alice S. Lawrence	769, 20	C. C. Carroll	396.6℃
Clara M. Loyd   746.33   Emily Werner   379.57     A. M. Houser   724.96   Eunice B. Oberly   374.17     Moses Smith   720.00   David Waters   372.21     Lorenzo D. Frost   720.00   R. A. Pearson   371.68     A. J. Hodges   720.00   Jno. M. Ferris   360.79     L. T. Harrison   720.00   Anna M. Bryant   360.00     Geo. I. Hall   720.00   L. C. Kellerhouse   360.00     C. C. Croghan   720.00   Lucy M. Jones   359.37	S.B. Gregory	758, 33	J. B. Faulkner	391,66
A. M. Houser       724.96       Emily Werner       379.57         Moses Smith       724.96       Eunice B. Oberly       374.17         Moses Smith       720.00       David Waters       372.21         Lorenzo D. Frost       720.00       R. A. Pearson       371.68         A. J. Hodges       720.00       Jno. M. Ferris       360.79         L. T. Harrison       720.00       Anna M. Bryant       360.00         Geo. I. Hall       720.00       L. C. Kellerhouse       360.00         C. C. Croghan       720.00       Lucy M. Jones       359.37	Clara M. Lord	752.06	Edith Simonton	385, 03
Moses Smith         720.00         David Waters         372.21           Lorenzo D. Frost         720.00         R. A. Pearson         371.68           A. J. Hodges         720.00         Jno. M. Ferris         360.79           L. T. Harrison         720.00         Anna M. Bryant         360.00           Geo. I. Hall         720.00         L. C. Kellerhouse         360.00           C. C. Croghan         720.00         Lucy M. Jones         359.37	A. M. Houser	79.1 98	Ennice B Oberly	379.91 374.17
Lorenzo D. Frost         720.00         R. A. Pearson         371.68           A. J. Hodges         720.00         Jno. M. Ferris         360.79           L. T. Harrison         720.00         Anna M. Bryant         360.00           Geo. I. Hall         720.00         L. C. Kellerhouse         360.00           C. C. Croghan         720.00         Lucy M. Jones         359.37	Moses Smith	720.00	David Waters	372.21
A. J. Houges. 720. 00 Jno. M. Ferris. 360. 79 L. T. Harrison 720. 00 Anna M. Bryant 360. 00 Geo. I. Hall 720. 00 L. C. Kellerhouse 360. 00 C. C. Croghan 720. 00 Lucy M. Jones 359. 37	Lorenzo D. Frost	720,00	R.A.Pearson	371.68
Geo. I. Hall         720.00         Anna M. Bryant         380.00           C. C. Croghan         720.00         L. C. Kellerhouse         360.00           L. L. C. Lorent         350.00         Lucy M. Jones         359.37	L. T. Harrison	720.00	Jno. M. Ferris	
C. C. Croghan 720.00 Lucy M. Jones 359.37	Geo. I. Hall	720.00	L. C. Kellerhouse	
	C. C. Croghan		Lucy M. Jones	359.37

#### SALARIES—Continued.

, Name.	Amount.	Name.	Amount
Fred Lees	\$357.03	S. M. Coulter	\$137.5
Virginia Tennev	339.81	Enon's M. Vousses	
Middleton Smith	331.60	Frank M. Young	130.1
	327.72	W. R. Brandenberg Estella O. Rourke	126. 4
E. A. Gonwer Geo. H. Dunning	322.13	V. G. Croissant	120.0
T T Wetson	312.63	V. G. Croissant	110.6
H. L. Watson C. A. Pfender	312.63	Annie L. Pierce	101.1
	312.50	C. N. Mooney	101.0
Ch. Wardell Stiles		Jno. G. Miller	93. 8
Helen Gardner	300.47	Atherton Seidell	92. 2
H. S. Graves	300.00	A.L. Berry	90.1
W.L. Bray	300.00	Julia R. Pearce	87.8
S. C. Mason	300.00	E.G. Grau	83.4
W. R. Dudley	300.00	Fred Bonsteel	77.5
W.F.Fox	300.00	Jessie C. Waite	75.8
C. E. Bessey	300.00	Andrew Fassum	74. 2
H. H. Chapman	300.00	C. L. Marlotte	73.8
H. N. Whitford	298.37	F. W. S. Blanchard	62.6
Eliz. M. Olmsted	288.00	L. J. Simonton	60.6
Eliz. B. Preston	288.00	Hortentia Jones	59. 6
M. S. Shaler	275.30	Mary C. Garvey	59. 4
Pauline Hammond	274.12	W.C. Wyatt	50.0
Louise De Bonneville	250.00	P. R. Hindman	° 42.8
Lizzie Rollins	240.00	Geo. M. kuffin	40.7
Catherine Baltimore	240.00	J. E. Bryant	39.5
Mary Anderson	240.00	G. P. Parks	36.9
Sarah Garner	240.00	R. P. Caraway	36.6
Helen Stokes	239.90	Chas, M. Higgins	34.5
W. L. Towberman	237.39	J. M. Truxell	30.0
M. V. Minor	231.00	Charity Brodus	29.9
Belle Meek	222.18	Hugh M. Curran	29.
Jas. Munroe	212.00	Marie E. Snow	25.
Fertrude Parker	210.03	Henry J. Wilder	22.
Abbie Knapp	210.00	E. A. Week	17.
Ino. G. Willer	210.00	John Higgins	9.
J. E. Rockwell	208.30	Frank Carter	3.
Benj. R. Sherwood	180.00	Jno. W. Harris	1.
H. M. Sutter	162, 50	Jas. Conyers	1.
Oon M. Carr	158, 47	Ben. Jackson	1.
W. L. Darrell	152, 90	Wm. Atkinson	1.
W. F. Hubbard	150, 70	David Brooks	1.
Minnie A. Cannon	150.01	Louis Foster	1.
W. H. Walters	148.80	130015 1 05101 1111111111111111111111111	1.
Martha Barrett	140.20	Total	450, 944,
Clifford Scott	140.09	10001	100, 011.
Ida A. Cook	139, 60		
.ua A. 000k	100,00		

#### WEATHER BUREAU SALARIES AT WASHINGTON, D. C.

Willis L. Moore	\$5,000.00	G. W. Hay	\$1,400.00
Cleveland Abbe	3,000.00	Hiram J. Penrod	1,400.00
Frank H. Bigelow	3,000.00	Theo, T. Moore.	1,400.00
Edward B. Garriott	2,500.00	H. L. Heiskell	1,400.00
H. J. Cox	2,500.00	Jno. C. Stewart	1,400.00
A.J. Henry	2,500.00	Henry Pennywitt	1,400.00
Alexander G. McAdie	2,500,00	M. C. Bennett	1,400.00
Henry C. Frankenfield	2,000.00	H. H. Kimball	1,400.00
E. A. Beals	2,000.00	Jno. C. Fry	1,400.00
John W. Smith	2,000.00	Enoch G. Johnson	1,400.00
Isaac M. Cline	2,000.00	Sophia A. Benter	1,400.00
Frederick H. Brandenburg	2,000.00	H. W. Smith	1,400,00
Eben H. Emery	2,000.00	Harry B. Wren	1,400.00
H. E. Williams	2,250.00	A. H. Kinnear	1,200.00
James Barry	2,000.00	Wm. Berry	1,200.00
D. J. Carroll	2,000.00	R. F. de Grain	1,200.00
J. H. Robinson	2,000.00	J. H. Melton	1,200.00
D. T. Maring	1,800.00	W. D. Porter	1,200.00
J. R. Cook	1,800,00	R. D. Meston	1,200.00
E. B. Calvert	1,800.00	S. A. Potter	1,200.00
F. M. Cleaver	1,800.00	J. L. Whitside	1,200.00
Robert Seyboth	1,600.00	Arthur Thompson	1,200.00
Frank Gillam	1,600,00	Belle P. M. Spencer	1,200.00
P. C. Day	1,600.00	Benjamin A. Blundon	1,200.00
George E. Hunt	1,600.00	E. M. Mattison	1,200.00
J. H. Jones	1,600.00	Ruby S. Hotze	1,200.00
S. W. Beall	1,400.00	C. J. Jones	1,200.00
J. T. Foy	1,400.00	Wm. M. Husson	1,200.00
G. W. Smith	1,400.00	Clinton J. Ashton	1,200.00
T.O. Pugh	1,400.00	D. Marean	1,200,00

#### WEATHER BUREAU SALARIES AT WASHINGTON, D. C.—Continued.

Name.	Amount.	Name.	Amount.
Homer W. Clough	\$1,200,00	Daniel F. O'Neil	\$840,00°
Frank O. Stetson	1,200.00	Edward Dillon	840,00
Charles Holmes	1,200,00	Fred L. Francis	840,00
James M. Watson	1,200.00	William Patrick	840.00
Jos. B. Wilson	1,200,00	Gustav E. Rausch	840.00
Alvin T. Burrows	1.200.00	Richard Hayes	720.00
J. Gwynn Gardiner	1,200,00	W.K.Durnbaugh	720,00
John J. McLean	1,200,00	Charles W. Chambers	720.00
Mattie H. Chapman	1,000.00	Frank M. Angelo	720.00
S. Percy Minnick	1,000.00	R.H. Morton	720.00
Genevra B. Diehl	1,000.00	David Keller	720,00
William N. Parker	1,000.00	E. A. Branham	720.00
Herman Voker	1,000.00	Richard E. Rozzelle	720.00
Conrad E. Hesse	1,000.00	James F. Collins	840.00
Frank D. Emery	1,000.00	W. Plummer	660.00
Ralph B. Marean	1,000.00	William O. Harvey	660.00
Charles F. Talman	1,000.00	Horace F. Lyon	660.00
Ralph C. Mize	1,000.00	John A. Balster	660.00
Franklin G. Tingley	1,000.00	William McLane, jr	660,00
Richard O. Lazenby	1,000.00	Jesse Jones	600.00
William A. Mitchell	1,000.00	Richard S. N. Sartz	600.00
Frederick W. Brist	1,000.00	Robert Williams	600.00
Joseph U. Monroe	1,000.00	Edward McDermott	600.00
Alice T. Hercus	900.00	John Driscow	600.00
Richard Breaden	900.00	Plato T. Lee	600.00
Luman M. Cleveland	900.00	Frederick Rice	600.00
Laura F. Hawkins	900.00	Harry W. Meadel	600.00
Hermann Pearls		Daniel J. Brown	480.00
Walter J. Bennett	900.00	Lemuel E. Tate	480.00
T. Frederick Davis	900.00	Louis M. Campfield	480.00
Mary Long	840.00	Thomas Woolfolk	450.00
Belle Gaston	840.00	George M. Wilmeth	450.00
Elgie M. Keyser	840.00	Frank L. Wilson	450.00
Abe Wiesner	840.00	Frank Matthews	450.00
Vincinia M Deticales		Frederick M. Eisenstein	
Virginia M. Peticolas Roy E. McQuigg	720.00 720.00		450.00 240.00
C. B. Tuch		Lucy Payne	
	1,400.00	Amanda Lomax	240.00
C. H. Pilcher	1,200.00	Clara A. Templeton	240.00
Hiram Johnson	1,000.00	m 1	10" 200 00
F. A. Claveloux	1,000.00	Total	165, 260, 00
Ovide St. Marie	1,000.00		

#### LIBRARY.

Date.	Name.	Nature of payment.	Total.
1902.			
July 23	G. Harold Powell	Bailey's Cyclopedia, Horticul-	\$20,00
	W. H. Lowdermilk & Co	ture. Pharmacy sheet	5, 40
	H. N. Patterson	Cards	25.86
24	Gaylord Bros	Paper	. 75
	Geo. F. Cram	Railway atlas	. 75 27.50
Aug. 4	H. E. Hooper	Books	8.75
~	Lemcke & Buechner	do	46.05
5	T.H. Castor & Co	do	6.52
15	Forest and Stream Publishing Co	do	20.00 1.00
16	G.E. Stechert	do	22, 73
10	Wm. A. Kellerman	do	1.00
	P. Blackiston's Son & Co	do	17.00
	H. W. Wilson	do	6.25
	The Burnham Antique Book Store	do	2.79
23	Mrs. Carrie Williams	do	1.25
23	The Macmillan Co.	do	15.08
	Lemcke & Buechnerdo	00	34. 53 11. 77
	do	do	45, 36
25	William Wesley & Son.	do	10.00
28	do	do .	26, 42
Sept. 5	The Macmillan Co	do	10.83
	Oswald Weigel	do	15.13
	Longmans, Green & Co	do	1.20
	Paul Klincksieck	do	145.70
	A. Hermann Edw. L. Greene		19.34 4.50
	Joseph Baer & Co		4. 50 30, 37
6	Multum in Parvo Binder Co	Binders	2.40
			A. 10

#### LIBRARY—Continued.

Date.	Name.	Nature of payment.	Total.
1902.		1.	
Sept. 6 12	Lawrence Washington	Books	\$2, 50 5, 75
1.6	W.W. Karr	do	9, 90
17	Wm. R. Maxon W. W. Karr Wm. R. Jenkins	do	9. 90 17. 75 9. 30
19	G E Stechert	do	9.30 93.75
	G. E. Stechert Chas, Scribner's Sons Library Bureau R. Friedlander & Sohn	Book	4. 78
20	Library Bureau	Library fittings	4.78 155.00 14.00
24	K. Friedlander & Sohn	Books	14.00
	Total first quarter		898.16
Oct. 1	Annie M. Smith	Books	2.50
	R. R. Bowker	do	10.00
	Annie M. Smith R. R. Bowker Wm. R. Jenkins Boston Society of Natural History Conway Macmillan American Field Publishing Co G. E. Stechertdo Lemcke & Buechnerdo Wm. Wesley & Son Lemcke & Buechner Wm. Wesley & Son Martinus Nijhoff Dodd, Mead & Co Morton Printing Co Jacob J. De Forest H. Welter T. H. Castor & Co D. Van Nostrand Co Chas E. Lauriat Co American Ornithologists' Union The Chemical Publishing Co Home Science Publishing Co Home Science Publishing Co D. E. Salmon Wm. Ballantyne & Sons do Lemcke & Buechner W. F. Adams, manager Clay Record Publishing Co Clay Record Publishing Co Clay Record Publishing Co	Book	10.00 1.50
16	Conway Macmillan	do	3.50
	American Field Publishing Co	do	2.00
	G. E. Stechert	Books	13.45
	Lomeko & Ruschner	do	40.50 18.48
	do	do	29. 43
	Wm. Wesley & Son	do	42.17
	Lemcke & Buechner	do	41. 75
	Martinus Nijhoff	do	24. 45 45. 35
	Dodd, Mead & Co	do	11.20
	Morton Printing Co	do	10.30
20	H Welter	do	. 50 55, 90
20	T. H. Castor & Co	do	13, 04
28	D. Van Nostrand Co.	do	13.00
Nov. 1	Chas. E. Lauriat Co.	do	8. 25 2. 30 7. 50
	The Chemical Publishing Co	do	7.50
	The Bowen-Merrill Co	do	5.00
5	Home Science Publishing Co	do	15.05 9.00
8	Wm Ballantyne & Sons	do	12.00
	do	do	12.00 61.03 8.75
17	Lemcke & Buechner	do	8.75
	W.F. Adams, manager Clay Record Publishing Co American Berkshire Association J.N. Rose	Subscription	8.40 1.00
	American Berkshire Association	Books	5.00
10	J. N. Rose	do	5. 25
19 20	Wm. Ballantyne & Sons	do	35. 41 153.00
	R. B. Hough	do	153, 00 5, 00
22	E. Morrison Paper Co	Trunk board	6.72 80.92
	Lemcke & Buechner	Books	80. 92 30. 58
	J. N. Rose Wm. Ballantyne & Sons Edgar Buckingham R. B. Hough E. Morrison Paper Co Lemeke & Buechner do do Gustay E. Stechert	do	20.96
	Gustay E. Stechert	do	5.40
Dec. 2	Chas. R. Dodge	do	110.00
	Gustav E Stechert Chas. R. Dodge Statute Law Book Co Lemcke & Buechner	do	4.50 75.75
4			67.37
5	Jno. Wheldon & Co Eyre & Spottiswoode R. Friedlander & Sohn	Books	2. 04 32, 92
8	R. Friedlander & Sohn	Booksdo	53.16
	Gustav E. Stechert	do	12. 50 23. 50
12	Gustav E. Stechert The Lawyers' Cooperative Publishing Co Gaylord Bros	Adhesive paper	23.50
	A Goossens	Book	1.50 6.00
	Dodd, Mead & Co	Bookdo	6.00
	Martinus Nijhoff	Books	31. 50
16 17	Lucian H. Dorbon	do	15. 13
17	Martinus Nijhoff	Books	2, 00 25, 00
	A. Goossens. Dodd, Mead & Co Martinus Nijhoff. Lucian H. Dorbon. Municipal Engineering Co. Martinus Nijhoff. Edwd. L. Greene	Books Books Books do	2.00
	Total second quarter		1, 346. 32
1903.		} · }	
Jan. 5	Wm. F. Clay	Books Fountain pen Subscription	66.31
	Wm. F. Clay R. Carter Ballantyne	Fountain pen	66.31 2.50
6	The Field and Farm	Subscription	2.00 2.00
	California Fruit Grower H. E. Hooper A. L. A. Publication Board		8.75
			6, 20

#### LIBRARY—Continued.

Date.	Name.	Nature of payment.	Total.
1903.	W. H. T. 1	D 1	2200
Jan. 13 15	W. H. Lowdermilk & Co	Books	\$298.
19	Lemcke & Ruechner	Books	6.
	G. E. Stechert Lemcke & Buechner do	do	7. 6. 2.
	do	do	13.3
	do	do	28.
	Ti-topical Dublishing Co	do	33.1 12.0
	do do do Historical Publishing Co The Friedenwald Co Gustav Fock B. Friedlander & Sohn Ling Wieldon & Co	Manila tag	3.
	Gustay Fock	Books	11.
	R. Friedlander & Sohn	do	45.
	Jno. Wheldon & Co The Journal of Complete Medical and Vet-	do	100.
	The Journal of Complete Medical and Vet-	Book	6.
	Out West Co	do	1.
	erinary Archives. Out West Co Charles L. Smith E. Bonbee A. Challamel	do	2. 50.
16 17	E. Bonbee	Books	50.
17	A. Challamel	do	12.
- 01	R. R. Bowker	do	1.
21 22	E. Bonbee A. Challamel R. R. Bowker Brentano's Library Bureau R. Friedlander & Sohn West Publishing Co M. A. Howe E. W. Bullinger C. H. Clayton & Co Chas. L. Pollard Lemeke & Buechner H. V. and H. W. Poor Jno. C. Parker Dodd, Mead & Co The Arthur H. Clark Co Lemeke & Buechner do do do Smithsonian Institution Wm. Ballantyne & Sons Latham & Co Gustay E. Stechett H. Welter Mayer & Müller N. Murray R. L. Polk & Co Journal American Medical Association Lemeke & Buechner L. Patterson	Cabinet and file	6. 59.
22 24	R. Friedlander & Sohn	Books	17.
	West Publishing Co	do	18.
	M. A. Howe	Index cards	9.
	E. W. Bullinger	Book	3.
	Chas I Polland	Books	13.
26	Lameka & Ruschner	do	1. 61.
eb. 2	H. V. and H. W. Poor	Book	10.
	Jno. C. Parker	City directories, etc	123.
16	Dodd, Mead & Co	Books	16. 6.
127	The Arthur H. Clark Co	do	6.
17	Lemcke & Buechner	do	139.
	do	do	23. 23.
	do	do	43.
	do	do	59.
	Smithsonian Institution	do	8. 31.
19	Wm. Ballantyne & Sons	do	31.
	Custon F Stochout	do	1. 49.
26	H Welter	do	3.
700	Mayer & Müller	do	73.
Iar. 3	N. Murray	do	5.
	R. L. Polk & Co	do	6.
4	Journal American Medical Association	OD	5. 44.
9	Lemcke & Buechner H. C. Patterson	do	266.
	Industrial Record Co	Subscription	2.
14	D. Van Nostrand Co	Parry pigments	2. 5.
	New England Botanical Club	Subscription	1.
	Out West Co	do	1.
	H. C. Patterson Industrial Record Co D. Van Nostrand Co New England Botanical Club Out West Co Harry T. Sherman H. Clay Eyans	do	2. 1.
	Martinus Nijhoff	do	51.
16	Harry T. Sherman H. Clay Evans Martinus Nijhoff Lemcke & Buechner Rand, McNally & Co T. H. Castor & Co Lemcke & Buechner do	do	1,059.
20	Rand, McNally & Co	Prairie Farmer	1.
20	T. H. Castor & Co	Books	13.
20	do	do	10. 29.
			40,
	Total third quarter		3,029.
	W D Il-i	Dl-	
pr. 2	The Engineeving News Publishing Co	Subscription	1.
	A Hermann	Book Subscription Books Cards	5. 36.
3	A. L. A. Publishing Board	Cards	2.
	Joseph C. Cree	Book	2.
14	Wm. R. Jenkins. The Engineering News Publishing Co. A. Hermann A. L. A. Publishing Board Joseph C. Cree. Vinton & Co., Limited The Arthur H. Clark Co. R. Friedlander & Sohn do	Book Books Book	20.
127	The Arthur H. Clark Co	Book	2.
17	K. Friedlander & Sonn	Books	24.
	The University of Chicago Press	Rotanical Gazette	77. 4.
23	Oswald Weigel	Book	5.
	Willard N. Clute & Co	do	1.
	R. Fredhander & Sonn do do The University of Chicago Press. Oswald Weigel Willard N. Clute & Co Lawyers' Cooperative Publication Co. Alessandro Trotter W. Link	do	6.
-3**	Alessandro Trotter	Books	22.9
27	W. Junk Gustav E. Stechert Lemcke & Buechner	do	280.1
lay 15	Gustay F Stochant	do	30. 15.

#### LIBRARY—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Iay 18	R. R. Bowker National Rallway Publishing Co Paul Klincksieck Ches. P. Dodger	Catalogue	\$3.0
	National Rallway Publishing Co	Guide Book	8.0 117.0
20	Paul Klincksieck	Book	117.6
une 9		Magazine Subscription Cyclopædia Reference book	20.0
	The Washington Post Co Canterbury Publishing Co W. H. Lowdermilk & Co	Cyclonædia	6.6
10	W. H. Lowdermilk & Co	Reference book	7.0 49.
	do	do	188.6
12 17	Wm. Ballantyne & Sons Gustav E. Stechert	Admanac, etc Books do Catalogue Guides Book	61. 22.
17	Gustav E. Stechert	Books	22.
	dodo	Catalogue	2. 3 2. 3
	Library Bureau	Guides	6.0
19	Library Bureau Journal of Complete Medical and Veterin-	Book	6. 3.
	ary Archives.		
	Chas. F. Batchelder	do	2.0
	The Universal Press	dodo	3.0
	Addison E. Verrill	do	4.
	Floral Publishing Co	Subscription	2 1.
	The Sun Printing and Publishing Assn	do	8.
	Judson E. Hoyt	Subscription do Book	,
	The Lawyers' Cooperative Publishing Co	do	6.
	Chas. F. Batchelder The Universal Press Addison E. Verrill. The Arthur H. Clark Co Floral Publishing Co The Sun Printing and Publishing Assn Judson E. Hoyt. The Lawyers' Cooperative Publishing Co. The Journal of Medical Research The Baker & Taylor Co. T. H. Castor & Co. Gaylord Bros. W. Junk	do Dictionary Book	1.
	The Baker & Taylor Co.	Dictionary	8.
	T. H. Castor & Co	Book	6.
	W. Junk	Paper Book Subscription Book Papeler	21.
	W. Junk Forest and Stream Publishing Co Smithsonian Institution	Subscription	1.
23	Smithsonian Institution	Book	4.
24	American Book Co		15.
25	Eckstein & Widenmann	do	28.
	Total fourth quarter		1,152.
	Supplemental.		
uly 7	Brentanos	Books	5.
11	I C Paulzau	Books Official Railway Guides	16.
13	R. R. Bowker Silk Publishing Co A. M. Smith Bureau International	Catalogues	5. 1.
	Silk Publishing Co	Book Subscription	1.
15	A. M. Smith	Subscription	1.
	H Wolter	Books	27. 3.
	G E Stechert	do	6.
16	Wm. Ballantyne & Sons	Reference books	6.
	do	Almanacs, etc	82. 24. 167.
	H. C. Patterson	Books	24.
20	H. Welter G. E. Stechert Wm. Ballantyne & Sons do H. C. Patterson Wm. Wesley & Son do do	Books do Manuals, etc	167.
	do	Manuals, etc	136. 48.
22	Martinus Niihoff	Books	72
27	do Martinus Nijhoff A. L. A. Publishing Board Lemcke & Buechner	-do Cards	177.
29	Lemcke & Buechner	Books	72. 3.
ug. 17	G. E. Stechert	do	4. 47.
	Lemcke & Buechner	do	47.
19	Wm Brough & Son	do	58.
19	Wm Wesley & Son	do	35. 4
	The A. H. Clark Co	do	4. 2.
	Gustav Fock	do	5.
26	F. E. Lloyd	do	1.
ept. 10	Wm. Ballantyne & Sons	do	6. 7.
	Lemelro & Ducebnen	Magazina	7. 38.
24	H Welter	Book	3.
ct. 23	Gustay E. Stechert	Books	2.
-0. 70	G. E. Stechert. Lemcke & Buechner do Wm. Brough & Son Wm. Wesley & Son The A. H. Clark Co Gustav Fock F. E. Lloyd Wm. Ballantyne & Sons do Lemcke & Buechner H. Welter Gustav E. Stechert Frank P. Bennett	Shepherds Bulletin	ĩ.
	Total	-	826.
	RECAPITULA		
	arter		\$898.
irst qua	nonton		7 946
irst qua	uarter		1,346.
irst qua econd q hird qu	arter uarter uarter uarter		1,346. $3,029.$ $1,152.$
irst qua econd q hird qu ourth c upplem	uarter uarter uarter eental		1,346. 3,029. 1,152.

## $Expenditures of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30,1903-{\rm Cont'd}.$

#### CONTINGENT EXPENSES.

D	ate.	Name.	Nature of payment.	Total.
	000			
Jul	902. ly 8	Washington City post-office	Stamps	\$1,000.00
	14	Washington City post-office  E. Morrison Paper Co. Geo. Meier & Co.	Stamps Record book	1.00
	10 19	Geo. Meier & Co.	Bronze Roller	8.00 7.50
	19	Geo. Meier & Co. S. P. Johnson. Lamb & Tilden. The American News Co. Capital Traction Co. G. W. Todd & Co. Eberhard Faber. Wolf Fixe.	Roller Stamps and ink	25.20
	22	The American News Co	Clips	9.55
	25	Capital Traction Co	Photographs	41, 50 30, 00
	20	Eberhard Faber	Car tickets Photographs Bands	346.12
		Wolf Bros Eureka Blotter Bath Co	Envelopes Copying bath, etc Densmore typewriter Typewriter stand	13.08
	26	Eureka Blotter Bath Co	Copying bath, etc	22.70 69.75 3.50
	40	Eureka Blotter Bath Co. S. P. Johnson. The Hammond Typewriter Co. American Writing Machine Co. Wyckoff, Seamans & Benedict M. Du Perow Wm. H. Dyer Jno. R. Galloway Chas. Becker Hugh Reilly The Runnell Telegraph and Electric Co.	Typewriter stand	3.50
		American Writing Machine Co	do Typewriter and stand Plugs, etc. Molding Fans White lead Shellac	3,50
	28	Wyckoff, Seamans & Benedict	Typewriter and stand	$101.75 \\ 5.10$
	20	Wm. H. Dver	Molding	1.62
		Jno. R. Galloway	Fans	28.00
		Chas. Becker	White lead.	28.00 1.80
		The Bunnell Telegraph and Electric Co	Wire	2.04
		Hugh Relly The Bunnell Telegraph and Electric Co. The Okonite Co. (Limited) Jas. Halley et al The A. J. Joyce Carriage Co. Wyckoff, Seamans & Benedict	doSalaries Repairing carriageRepairing typewriter.	21.80
Α -	91 9 1	Jas. Halley et al	Salaries	292.00
Au	-	Wyckoff, Seamans & Benedict	Repairing typewriter	49, 00 17, 50
	*4	Wyckoff, Seamans & Benedict Jas, N. Rupp American Cycle Manufacturing Co American Writing Machine Co. Church & Stephenson M. T. Walker Brick Co J. Underwood & Co J. Underwood & Co J. H. Brigham	lnk etc Bicycle Paper Flooring, etc Brick	17.50 52.25
		American Cycle Manufacturing Co	Bicycle	40.00
		Church & Stephenson	Flooring etc	45.00 80.96
		M. T. Walker Brick Co	Brick	4.25
	_	J. Underwood & Co	Paper Traveling expenses Horse Paper Paper	37.60
	õ	J. H. Brigham Wm. S. Canatscy E. Morrison Paper Co.	Traveling expenses	6.45 200.00
	6	E. Morrison Paper Co.	Paper	2.40
		do	Book	1.35
	8	Wm. B. Moses & Sons	Matting, etc.	155, 32 79, 50
		National Mortar Co	Paper Book Matting.etc Desks Mortar Paper, etc Bridle.etc Oats, etc Traveling expenses Batteries	39,06
		J. T. Thomson	Paper, etc	18.00
		C. Becker	Bridle, etc	22.40 71.20
	11	Jasper Wilson	Traveling expenses	109.29
		The Burnet Co	Batteries	19.00
	14	American Ice Co	Ice Cards	186.68 7.95
	1.1	Pearre E. Crowle Co	Rubber for stamps  Molding compound Care of horses	88.21
		do	Molding compound	6.00
	16	R. L. Saunders	Care of horses	20.00 10.69
		Wolf Bros	Blotters Envelopes	44.50
	18	Pennsylvania R. R. Co	Passenger transportation	12.75
	19	do Wm. B. Moses & Sons Woodward & Lothrop National Mortar Co J. T. Thomson C. Becker Depue & Church Jasper Wilson The Burnet Co American Ice Co Yawman & Erbe Manufacturing Co Pearre E. Crowle Co do R. L. Saunders The American News Co Wolf Bros Pennsylvania R. R. Co R. Carter Ballantyne do	Pens	50.43
		do Ernest Betz	Paper, etc. Repairs to roof Coal	323.15 71.85
	0.0	Ernest Betz The Allegheny Co. Rudolph, West & Co.	Coâl	20.28
	26	Rudolph, West & Co		83.39
		P. G. Reed. Jas. B. Lambie Neely Electric Co. Geo. F. Muth & Co.	Hardware	15.60 79.45
		Neely Electric Co	Tubes, etc	22.86
	91	Geo. F. Muth & Co	Brushes, oils, etc.	73.30
	21 23	The Chadwick Copying Book Co Jas. Wilson The Press Clipping Bureau Emery Davis The Maurice Joyce Engraving Co LD C Payker	Traveling expenses	220.80 209.56
		The Press Clipping Bureau	Clippings	25.00
	26	Emery Davis	Inkstands, etc	12.60
		do	do.	1.00
		Jno. C. Parker	Stationery supplies	431, 63
		The Maurice Joyce Engraving Codo Jno. C. Parker Louis Hartig The J. C. Ergood CoS. P. Johnson Thos. Somerville & Sons	do Stationery supplies Steel Pearline	4.62 17.25
		S. P. Johnson	Repairs to typewriter	5.80
		Thos. Somerville & Sons	Repairs to typewriter Plumbers' supplies Tickets	12.22
		Capital Traction Co	Tickets	12.22 41.50 17.30
		Washington Gaslight Co. United States Electric Lighting Co.	Gas	17.30 83.06
		Pennsylvania R. R. Co.	Electric current Passenger transportation	18.75
	0.0	E. G. Schafer & Co	Disks, etc Clips	18.75 23.29
	28 30	The American News Co	Clips	57.30
Sei	pt. 5	S.P. Johnson Thos. Somerville & Sons Capital Traction Co Washington Gaslight Co. United States Electric Lighting Co Pennsylvania R. R. Co E. G. Schafer & Co The American News Co Jas. Halley et al E. F. Vermillion J. H. Brigham	Salaries Inspecting boilers	315.00 20.00
		J. H. Brigham	Inspecting boilers Traveling expenses	32.80

Date.	Name.	Nature of payment.	Total.
1902.			
ept. 6	Clark & Davenport The Press Clipping Bureau Eberhard Faber United States Envelope Co	Linoleum	\$159.
-	The Press Clipping Bureau	Clippings	25.
	Eberhard Faber	Bands Envelopes	28. 75.
	United States Envelope Co	Envelopes	75.
	Robachers Disinfectant Co	Powder Numbering machine	15.
	J. Baumgarten & Sons Lamb & Tilden	Numbering machine	9. 7. 6.
			6.
	American Cycle Manufacturing Co Depue & Church The A. J. Joyce Carriage Co Church & Stephenson W. B. Moses & Sons. American Ice Co	Feed	169.
10	The A. J. Joyce Carriage Co	Feed Repairs to surrey Lumber Furniture	198.
	Church & Stephenson	Lumber	1.
11	W. B. Moses & Sons	Furniture	134.
12	American Ice Co	Ice	180.
			20.
	do	do	19.
17	Jas. Murphy	Repairs to stable Traveling expenses	10. 80.
1.4	Jas. Wilson H. K. Mutford Co Family Shoe Store Thos. Somerville & Sons		1.
	Family Shoe Store	Medicine Paste	
	Thos. Somerville & Sons	Plumbers' materials	9.
	do	Paste Plumbers' materials do Wheelbarrow, etc	9.
	P. H. Heiskell, jr., & Co	Wheelbarrow, etc	16.
	Ao P. H. Heiskell, jr., & Co Rudolph, West & Co C. F. Charles		122.
	C.F. Curtiss	Horses	500.
18	C. F. Curtiss  Boston and Maine R. R. Co  Chicago, Milwaukee and St. Paul Rwy. Co  Labora Para	Horses Passenger transportation do	2.
	Chicago, Milwaukee and St. Paul Rwy. Co.	do	23.
	Johnson Bros The Geo, W. Knox Express Co Jno. C. Parker	Coal	367.
19	Ino C Porker	Transportation	23.
10	D Fronk Porkor	Carbon paper	320.
	D. Frank Parker Jas. Norman Rupp W. B. Moses & Sons Barber & Ross	Ink	4.
20	W. B. Moses & Sons	Ink Furniture, etc Nails	132.
	Barber & Ross	Nails	10.
		Supplies	25.
	Geo. F. Muth & Co.	Buckets, etc.	70.
	Geo. F. Muth & Co. National Mortar Co.	Supplies Buckets, etc. Cement Stamping paper	3.
		Stamping paper	36.
23	J. P. Nawrath	Tape	7.
24	J. T. Thomson J. P. Nawrath Geo. W. Hill R. P. Andrews & Co. (Incorporated) M. G. Copeland Co. Jno. C. Parker Armour & Co. M. Du Porow	Stamping paper Tape Traveling expenses Manila paper Flags Ink, etc Soap Electric supplies Shields	<sup>'</sup> 5. 250.
	M.C. Consland Co. (Incorporated)	Manna paper	400.
	Ino C Parker	Inly eta	63. 38.
	Armour & Co	Soan	8.
25	M. Du Perow	Electric supplies	5.
	Hammond Typewriter Co	Shields	2.
	M. Du Perow Hammond Typewriter Co The Geo. W. Knox Express Co. The Pullman Co.	Shields Transportation Passenger transportation dododo Salaries	2.
26	The Pullman Co	Passenger transportation	3.
		do	9.
20	Pennsylvania R. R. Co Jas. Halley et al	do	12.
30	Jas. naney et al	Salaries	233.
	Total first quarter		9, 243.
t. 1	C. Becker	Supplies	235.
	C. Becker United States Envelope Co Washington City post-office Depne & Church The A. J. Joyce Carriage Co United States Envelope Co. Instantaneous Fire Alarm Co The Allegheny Co American Ice Co W. B. Moses & Sons do Z. D. Gilman	Envelopes	196. 500. 127.
4	Washington City post-office	Envelopes Stamps	500.
	Depue & Church	Feed Repairs to wagons	127.
C	The A. J. Joyce Carriage Co	Repairs to wagons	83.
6	Instantaneous Fire Alarm Co	Envelopes Rent of boxes Coal	27. 15.
	The Allegheny Co	Coal	112.
7	American Ice Co	Ice	144.
10	W. B. Moses & Sons	Repairing chairs	6.
	do	Repairing chairs	6. 35.
	Z.D.Gilman	Soap, etc	5.
11	Z. D. Gilman E. G. Schafer & Co Lohnson Pros	Packing	12.
14	Johnson Bros.	Wood	116.
15	Johnson Bros American Cycle Co District of Columbia Paper Manufacturing	Linoleum Soap, etc Packing Wood Bicycle, etc Blotting paper	41. 154.
	Co.		
10	Jno. C. Parker	Carbon paper	23.
16	I. P. Koosa	Services	100.
	Epernard Faber	Carbon paper Services Bands, etc Clippings	196.
17	Jino, C. Parker I. P. Roosa Eberhard Faber The Press Clipping Bureau Jas. B. Lambie Thos, Somerville & Sons	Glue	25. 6.
17	The Somerville & Sone	Brushes, etc.	4.
	do	Plumbers' supplies Halyards, etc	15.
		Trumbers supplies	
21	Rudolph West & Co	Halvaros, etc	
21	do Rudolph, West & Co D. Frank Parker J. P. Nawrath	Typewriter paper	14. 134.

Date.	Name.	Nature of payment.	Total
1902.			
Oct. 23	Chas. Becker R. Carter Ballantyne The M. Lindsay Rubber Co. National Electrical Supply Co Chas. R. Edmonston The Allegheny Co. Capital Traction Co. Hugh Reilly C. B. Lukens Francis Miller Wyckoff, Seamans & Benedict W. M. Galt & Co. Jas. N. Rupp Allen's Press Clipping Bureau Mackall Bros Woodward & Lothrop	. White lead	\$28.
	R. Carter Ballantyne	Pens, etc	43. 3.
	The M. Lindsay Rubber Co	Boots	3.
	Chas P Edmonston	Pens, etc Boots Boots Electric supplies Glasses, etc Coal Tickets Turpentine, etc Painting flag pole Paints Repairs	8. 17. 141.
	The Allegheny Co	Coal	141.
	Capital Traction Co.	Tickets	41.
24	Hugh Reilly	Turpentine, etc	57.
25	C. B. Lukens	Painting flag pole	1.
	Francis Miller	- Paints	8.
	Wyckoff, Seamans & Benedict	Repairs Oats and hay Ink Clippings	15.
-00	W. M. Galt & Co	- Oats and nay	64. 29.
28	Allon's Pross Clipping Bureau	Clinnings	24.
29	Mackall Bros	Soap, etc. Brushes, etc. Stamping	42.
20	Woodward & Lothron	Brushes, etc	33.
	J. T. Thomson	Stamping	59.
31	James Halley et al	Salaries Twine Feed	241.
Nov. 1	J. P. Nawrath	Twine.	7. 72.
3	W. M. Galt & Co	. Feed	72.
	Woodward & Lothrop	Towels.	65.
	F. A. von Keuth	Bongila Dongila	1. 52. 3.
	American Cycle Manufacturing Co	Renaire to bievelo	92.
4	Mackall Bros Woodward & Lothrop J. T. Thomson James Halley et al J. P. Nawrath W. M. Galt & Co. Woodward & Lothrop F. A. von Reuth R. P. Andrews & Co. (Incorporated) American Cycle Manufacturing Co. The Geo. W. Knox Express Co. Washington Gaslight Co. do	reed Towels Shade fixtures Pencils Repairs to bicycle Transportation Gas Light fore etc	3. 1
, 1	Washington Gaslight Co	Gas	1. 19. 17.
	do	do	17.
	United States Electric Lighting Co	Lights, fans, etc	66.
	do	do	90.
5	E. G. Schafer & Co Z. D. Gilman Budolph, West & Co	Steam traps	22.
6	Z. D. Gilman	Oil	7.4
10	Rudolph, West & Co	Sash cords, etc Traveling expenses Pens, etc	14.
10 13	P. Cartor Rellentyne	Pons etc	72. 74.
19	Church & Stanhanson	Lumber	38.
17	R. L. Evans R. Carter Ballantyne Church & Stephenson The Hahn Manufacturing Co	Horseshoes	47.
	Ernest Betz	Repairs to carriage house	13.
	The Press Clipping Bureau	- Clippings	25.
	The Press Clipping Bureau The A.J. Joyce Carriage Co The Maurice Joyce Engraving Co M. Du Perow C. Becker	Clippings Supplies for carriage house	273.
	The Maurice Joyce Engraving Co	Plate	7.
	M. Du Perow	Electric supplies	7.
	do Woodward & Lothrop G. Taylor Wade Chicago and Northwestern Rwy. Co. The Pullman Co. The Bush Soap Co Lamb & Tilden J. H. Brigham	Supplies for carriage house. Plate Electric supplies Supplies for carriage house do. Soap, etc. Carrots Passenger transportation do Soap Dating stamp	69. 12.
	Woodward & Lothron	Soan etc	34.
	G. Taylor Wade	Carrots	3.
18	Chicago and Northwestern Rwy, Co	Passenger transportation	9.
	The Pullman Co	do	9.
19	The Bush Soap Co	Soap	18.
	Lamb & Tilden	Dating stamp	7.
	J. H. Brigham  Wyckoff, Seamans & Benedict  Thos. Somerville & Sons  Penneylynying of	Dating stamp Traveling expenses Ribbons	17.
	The Somewille & Cone	Ribbons	2.
20	Poppeylyopia Co	Pagangon transportation	17.
20	Mackall Bros	Soan	26.
	Pennsylvania Co Mackall Bros W. B. Moses & Sons	Pipe, etc Passenger transportation Soap Rugs	38
			72. 17. 1. 77.
	Geo. F. Muth & Co	Furniture Paints, etc	17.
	do	Putty	1.
21	Geo. F. Muth & Codo  do The Allegheny CoHugh Reilly Church & Stephensondo	Coal	77.
	Church & Stophones	Glass, etc	4 .
	do Stephenson	Lumber	35.
	Harris & Shafer	Clocks	93. 27.
	Potomac Electric Power Co	Lights and fans	67
	Harris & Shafer Potomac Electric Power Co American Ice Co	Clocks Lights and fans Ice Coal	67. 117. 101.
	The Allegheny Co	Coal	101
	The Allegheny Co National Electrical Supply Co D. Frank Paukov	Pole steps	1.
22	National Electrical Supply Co.  D. Frank Parker  E. Morrison Paper Co  C. Schneider's Sons  United States Envelope Co  Pearre E. Crowl Co.  Theo. Schondau & Co  Jas. Halley et al  A. P. Johnston  In C. Parker	Brushes Notebooks Repairs to safe lock Envelopes	9.
	E. Morrison Paper Co	Notebooks	2.
	United States Envelope Co	Repairs to safe lock	1.
	Ponimo F. Crowl Co	- Envelopes	35.
28	Theo Schondan & Co	Gluten Horseshoes	1.
28 29	Jas Halley et al	Salarios	38.
ec. 1	A. P. Johnston	Salaries Balies's Compendium	284. 20.
	Jno. C. Parker	Stationery supplies	529.
		- Subject of Supplies	0.00.
2	Jas. Wilson	Traveling expenses	95
	Jas. Wilson The A. J. Joyce Carriage Co Capital Traction Co Wm. M. Galt & Co	Stationery supplies Traveling expenses Axle grease Tickets	95. 1.

 $Expenditures \ of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1903-{\bf Cont'd}.$ 

Date	Name.	Nature of payment.	Total.
1902.			
ec. 5	Jas. N. Rupp Walker & Hazleton	Ink, etc Repairing bicycle	\$11.0
	Walker & Hazleton	Repairing bicycle	2.
	Wm. H. Lacy	Plastering Key blanks Copying books	10.0
8	Barber & Ross Chadwick Copying Book Co	Copying books	33.
0	Johnson Bros	Wood	119.
10	Johnson Bros Yawman & Erbe Manufacturing Co Theo. Schondau & Co W. B. Moses & Sons	Wood Card section, etc. Horseshoes Shades, etc.	38.
10	Theo, Schondau & Co	Horseshoes	38. 11.
	W. B. Moses & Sons	Shades, etc	119
	In nest Deta		6.28. 28.
	Wyckoff, Seamans & Benedict	Repairs to typewriter	28.
10	Wykoli, Sealanti & Belletilet American Ice Co Rudolph, West & Co Woodward & Lothrop Hugh Reilly	Thomas	93.
12	Woodward & Lothron	Docke	47
	Hugh Reilly	Traps Desks Glass	22. 47. 3. 25.
	High Reilly The Press Clipping Bureau The McDermott Carriage Co Albert Kahlert & Co The Pennsylvania R. R. Co J. D. Fragge	Clippings	25.
13	The McDermott Carriage Co	Repairs to wagon	92.
16	Albert Kahlert & Co	Sewing carpets, etc	93.
19	The Pennsylvania R. R. Co	Passenger transportation	19.
20 31	J. D. Frazee	Washing towels	22.
31	J.D. Frazee Jas. Halley, et al	Clippings Repairs to wagon Sewing carpets, etc. Passenger transportation Washing towels Salary	283.
	Total second quarter		7,324.
1903.	7,		15
an. 3	Instantaneous Fire Alarm Co	Rent, boxes	15.
5	Wm. J. Zeh I. P. Roosa	Coal Services	293. 100.
J	I. P. Roosa The Chesapeake and Potomac Telephone Co Potomac Electric Power Co The Geo. W. Knox Express Co. E. Morrison Paper Co Forsberg & Murray. P. H. Heiskell, jr., & Co American Electric Heater Co J. D. Frazee Jas. B. Lambie	Poles	50.
	Potomac Électric Power Co	Foles Lights and fans Transportation Manila paper Repairs Horse covers Soldering irons Washing towels Hammer etc	65
	The Geo. W. Knox Express Co	Transportation	
	E. Morrison Paper Co	Manila paper	0.1
	Forsberg & Murray	Repairs	14.
- 0	P. H. Heiskell, Jr., & Co.	Horse covers	12.
6	American Electric Heater Co	Washing towals	4. 23.
8	Jos R Lambio	Hammer, etc.	1.
12	Jas. B. Lambie W. B. Moses & Sons. The J. C. Ergood Co	Desks	79
114	The J. C. Ergood Co	Desks Matches	10. 17.
	do Lamb & Tilden		17.3
	Lamb & Tilden	Pads Electric supplies Electric supplies Repairs to typewriter Flag holder, etc Horseshoes Typewriter paper, etc	6. 30.
	M. Du Perow Densmore Typewriter Co M. G. Copeland Co Theo. Schondau & Co D. F. Parker	Electric supplies	30.
	Densmore Typewriter Co	Repairs to typewriter	5.
	M. G. Copeland Co	Flag holder, etc	3. 14.
	D F Paulzau	Typowritor paper etc	15.
	Wm H Dver	Renairs	25.
	Wm. H. Dyer Wyckoff, Seamans & Benedict	RepairsdoSash frames	15.
	Church & Stephenson	Sash frames	75.
	Church & Stephenson	Lumber	26.
	Geo. F. Muth & Co	Lumber Paints, etc Feather dusters	13.
	Rudolph, West & Co	Feather dusters	65.
10	do Geo. F. Muth & Co Rudolph, West & Co. American Ice Co. Woodward & Lathrop. Thos. Somerville & Sons. do F. P. May & Co. Thos. W. Smith Forsberg & Murray. W. M. Galt & Co. M. P. Bush	Ice	86. 104.
13	The Semerville & Sens	Furniture Fittings Boiler compound	24.
	do	Boiler compound	56.
	F. P. May & Co	Scale	9.
	Thos. W. Smith	Door Boiler Feed	2. 45.
	Forsberg & Murray	Boiler	45.
	W. M. Galt & Co	Feed	138. 22.
15	M. P. Bush	Soap	22.
	M. P. Bush The Press Clipping Bureau Library Bureau	Soap Clippings Index Stamp handles	25.
	The R H Smith Manufacturing Co.	Stamp handles	14
	The Okonite Co. (Limited)	Wire	27
17	Library Bureau The R. H. Smith Manufacturing Co. The Okonite Co. (Limited) Jno. Underwood & Co.	Carbon paper	14. 27. 37.
19	I.P. Roosa	Expenses	58.
21	Jno. Underwood & Co. I. P. Roosa Chas. Edmonston E. G. Shafer & Co. Hugh Reillydo C. Becker The Smith Premier Typewriter Co. Ernest Betz. Wm. J. Zeh Potomac Electric Power Co.	Stamp handles Wire Carbon paper Expenses Soap dishes Pipe	1. 87.
	E. G. Shafer & Co	Pipe	87.
	Hugh Reilly	Glass	1.
	do	do	19.
	U. Becker	Popules	19. 26.
	Ernest Retz	Repairs to roof	4.
	Wm J Zeh	Coal	602
	Wm. J. Zeh Potomac Electric Power Co Washington Gaslight Co.	Coal Current	602. 95.
	Washington Gaslight Co	GasdodoTransportation	25.
	do	do	28.
	The Geo. W. Knox Express Co		39.

Date.	Name.	Nature of payment.	Total.
1903.			
Jan. 21	Smithsonian Institution	Transportation	\$436.65
99	W. M. Galt & Co The Andrew J. Joyce Carriage Co	Feed Repairs to wagon	65.80 46.00
22	United States Envelope Co	Envelopes	3, 36
	Blue Line Transfer Co	Envelopes Transportation	. 75
	Postal Telegraph Cable Co	Service	3. 15 22. 94 21. 50
	J. D. Frazee	Washing towels	22.94
	The Alttrew J. Joyce Carriage Co United States Envelope Co Blue Line Transfer Co Postal Telegraph Cable Co J. D. Frazee	Washing towels  do  Fare tickets Electric supplies Clippings Brushes Paper	18.50
23	M. Du Perow	Electric supplies	34.13
24	Allen's Press Clipping Bureau	Clippings	24.00 10.75
	Imperial Brush Co	Paper	2 00
	The J. C. Ergood Co	Lye, etc Traveling expenses Oats	2.00 86.70
	J. H. Brigham	Traveling expenses	14.65 27.30
	Wm. M. Galt & Co	Oats	27.30
26	The Lake Shore and Michigan Southern	Passenger transportationdo	6.07 $18.75$
20	Capital Traction Co. M. Du Perow Allen's Press Clipping Bureau Imperial Brush Co. E. S. Newman The J. C. Ergood Co. J. H. Brigham Wm. M. Galt & Co. Grand Trunk Rey. Co. The Lake Shore and Michigan Southern Rwy. Co. Pennsylvania Co. Pennsylvania Railroad Co. Geo. F. Muth & Co. National Mortar Co. Jno C. Parker		10,10
	Pennsylvania Co	do	24.50
27 28	Pennsylvania Railroad Co	Trand all Grain at	17.00
28	National Mortar Co	Coment	17.00 34.75 3.44
29	Jno. C. Parker	Stationery supplies	229. 28
	Jno. C. Parker Standard Oil Co	Oil	6.00
Feb. 2	Jas. Halley et al	Salaries	163, 60 106, 75
Feb. 2	W M Galt & Co	Hav etc	83.57
4	Jas. Halley et al R. Carter Ballantyne W. M. Galt & Co J. M. Thorpe Barber & Ross	do Hard-oil finish, etc Cement Stationery supplies Oil Salaries Stationery supplies Hay, etc Ink Nails, etc Vaseline Lavatory	6.00
	Barber & Ross	Nails, etc.	6.00
	Z. D. Gilman	Vaseline	. 40 10. 50
6	Z. D. Gilman The C. J. McCubbin Co Theo. Schondau & Co Clark & Davenport Geo. E. Redell J. R. Kendall	Shoeing horse	12.25
7	Clark & Davenport	Carpets	12.25 308.14
	Geo. E. Redell	Repairing chairs	5.00 9.60
9	J. B. Kendall United States Express Co	Vaseme Shoeing horse Carpets Repairing chairs Pads Transportation Chairs, etc	23.07
	United States Express Co W. B. Moses & Sons Rudolph, West & Co	Chairs, etc	23.07 67.96
	Rudolph, West & Co		30, 89
	E. Morrison Paper Co	Soap Cover paper Drop black	28.25 1.00
	Francis Miller Thos, Somerville & Sons. Geo. E. Howard & Co The Geo. W. Knox Express Co	Drop black	3.00
	Thos. Somerville & Sons	Valves, etc	13 09
	The Geo W Knoy Express Co	Paper boxes Transportation	1.20 1.67
11	American Ice Co	Ice	78.00
12	Adams Express Co	Transportation Telephone supplies Sections, etc	1.95
14	The Fred Masoy Co. (Limited)	Telephone supplies	30. 85 46. 80
	Chas. R. Edmonston	Hampers, etc	98 68
16	The Geo. W. Knox Express Co	Transportation	515. 72 7. 45
	The Allegheny Co	Coal	515. 72
	The Gibson Soan Co	Soan nowder	6.00
	Adams Express Co Kellogg Switchboard and Supply Co The Fred Macey Co. (Limited) Chas. R. Edmonston The Geo. W. Knox Express Co The Allegheny Co. J. P. Nawrath The Gilson Soap Co. The Press Clipping Co The American News Co The American News Co The Affect Tiden Harris & Shafer Co Jas. N. Rupp D. Frank Parker Neely Electric Construction Co W. M. Galt & Co Pennsylvania Co Jno. C. Parker Johnson Bross M. D. Frank Parker Johnson Bross M. D. Frank Parker Johnson Bross M. D. Frank Parker Johnson Bross	Sections, etc Hampers, etc Transportation Coal Sponge Soap powder Clippings Folders, etc	25.00 23.36
17	The American News Co	Folders, etc	23.36
	Lamb & Tilden	Coal Dating stamps	1,691.86
	Harris & Shafer Co	Clocks.etc	2. 35 30. 50
	Jas. N. Rupp	Scrapbooks, etc	7.65
18	D. Frank Parker	Dating stamps Clocks, etc Scrapbooks, etc Typewriter paper Bushings Oats, etc	119.95
19	W M Galt & Co	Oats etc	30.00
	Pennsylvania Co	Passenger transportation Knives	17.50
20	Jno. C. Parker	Knives	. 65 112.50 1,222.97
	Johnson Bros	Ribbons Wood and coal	1 222 07
25	M. Du Perow	Brackets	1.76
28 Marri 28	Jas. Halley et al	Salaries	1.76 147.80
Mar. 3	W H Dyer	Batteries. Molding	9, 50
	R. P. Clark Co	Towels	37.00 11.20
	Chas. Becker	Towels White lead Service	
	M. Du Perow Jas. Halley et al. The Burnett Co. W. H. Dyer R. P. Clark Co. Chas. Becker The Chesapeake and Potomac Telephone	Service	104.00
	do.	do	93.54
	do	Moving telephone Glass	2. 19 1. 87
5	Hugh Reilly do do do	Glass	1.87
	do	do do	1.56 1.56
			2.00

Date.	. Name.	Nature of payment.	Tota
1903.			
lar. 5	W.H. Dyer R. Carter Ballantyne Potomac Electric Power Co	Lumber	83
	R. Carter Ballantyne	Inkstands Lamps Electric current	\$8 (6 30
	Potomac Electric Power Co	Lamps	30
	do W. M. Galt & Co Theo Schondau & Co The Andrew J. Joyce Carriage Co	Electric current	108
	W. M. Galt & Co		84
9	Theo. Schondau & Co	Horseshoes Rubber apron Repairing roof Cabinet Repairs to bicycle Shade holders Chairs, etc	ξ
	The Andrew J. Joyce Carriage Co	Rubber apron	(
- 11	Ernest Betz	Repairing roof	52
11	Yawman & Erbe Manufacturing Co American Cycle Manufacturing Co National Electric Supply Co W B Moses & Son	Cabinet	5
	American Cycle Manufacturing Co	Repairs to bicycle	7
	National Electric Supply Co	Shade holders	2
	W. B. Moses & Son American Ice Co The Kellogg Switch Board and Supply Co	Chairs, etc	14
10	American Ice Co	Chars, etc Ice Telephone apparatus Installing telephones Bands and erasers Clippings Plastering Cabinet Lumber Feed	78
12	The Kellogg Switch Board and Supply Co.	Telephone apparatus	269
4.4	do Eberhard Faber	Installing telephones	1,788
14	Eberhard Faber	Bands and erasers	115
	The Press Clipping Bureau W. H. Lacy Woodruff Manufacturing Co Church & Stephenson W. M. Galt & Co Capital Traction Co M. Du Perow	Clippings	25 10
	W.H.Lacy	Plastering	10
	Woodruff Manufacturing Co	Cabinet	84
	Church & Stephenson	Lumber	1
	W. M. Galt & Co	Face tickets Fare tickets Electric supplies Harness oil Supplies for stable Gas stove Wood and coal	29 41
16	Capital Traction Co	Fare tickets	41
17	M.Du Perow	Electric supplies	14
18	C. Becker	Harness oif	2 14
	do	Supplies for stable	14
19	M. Du Perow C. Becker -do Rudolph, West & Co Johnson Bros Woodward & Lothrop J. T. Holcomb Manufacturing Co.	Gas stove	(
	Johnson Bros	Wood and coal	882
	Woodward & Lothrop	Towels, etc Dust brushes	266
20	J. T. Holcomb Manufacturing Co	Dust brushes	36
23		Pencils	7
	Potomac Electric Power Co	Current	108
25 26	W. M. Galt & Co The Chesapeake and Potomac Telephone	Feed Moving telephone	68
26	The Chesapeake and Potomac Telephone	Moving telephone	2
	Co.		
	do	Changing switch board	61
	do	Moving telephone	9
	Washington Gaslight Co	Moving telephone Gas	44
	do .	do	48
	Louis Hartie	Horseshoes	20
	do Washington Gaslight Co do Louis Hartig Jas. Halley et al.	do Horseshoes Salaries	168
	Total third quarter		13,542
	Instantaneous Fire Alarm Co	Rent boxes	15
pr. 1			A
or. 1 2	C. A. Schneider's Sons	Cover	- 3
pr. 1 2	C. A. Schneider's Sons	Tuon	2
or. 1 2	C. A. Schneider's Sons	Tuon	
or. 1	C. A. Schneider's Sons	Tuon	218
or. 1	C. A. Schneider's Sons. Louis Hartig Z. D. Gilman Jno. C. Parker	Tuon	218 29
or. 1 2	C. A. Schneider's Sons. Louis Hartig Z. D. Gilman Jno. C. Parker	Iron Vaseline Stationery supplies Traveling expenses Towels and mons	218 29 35
2	C. A. Schneider's Sons. Louis Hartig Z. D. Gilman Jno. C. Parker	Iron Vaseline Stationery supplies Traveling expenses Towels and mons	218 29 35
2	C. A. Schneider's Sons. Louis Hartig Z. D. Gilman Jno. C. Parker Jas. Wilson Woodward & Lothrop W. B. Moses & Sons Littlefield. Alvord & Co	Iron Vaseline Stationery supplies Traveling expenses Towels and mops Furniture, etc Transportation	218 29 35 22
2	C. A. Schneider's Sons. Louis Hartig Z. D. Gilman Jno. C. Parker Jas. Wilson Woodward & Lothrop W. B. Moses & Sons Littlefield. Alvord & Co	Iron Vaseline Stationery supplies Traveling expenses Towels and mops Furniture, etc Transportation Straw	218 29 35 22 1
3	C. A. Schneider's Sons. Louis Hartig Z. D. Gilman Jno. C. Parker Jas. Wilson Woodward & Lothrop W. B. Moses & Sons Littlefield, Alvord & Co W. M. Galt & Co L. P. Rossa	Iron Vaseline Stationery supplies Traveling expenses Towels and mops Furniture, etc Transportation Straw	218 29 35 22 1 16 100
3	C. A. Schneider's Sons. Louis Hartig Z. D. Gilman Jno. C. Parker Jas. Wilson Woodward & Lothrop W. B. Moses & Sons Littlefield, Alvord & Co W. M. Galt & Co L. P. Rossa	Iron Vaseline Stationery supplies Traveling expenses Towels and mops Furniture, etc Transportation Straw	218 29 35 22 1 16 100 840
3 4 6	C. A. Schneider's Sons. Louis Hartig Z. D. Gilman Jno, C. Parker Jas. Wilson Woodward & Lothrop W. B. Moses & Sons. Littlefield, Alvord & Co. W. M. Galt & Co. I. P. Roosa. Johnson Bros Ernest Betz.	Iron Vaseline Stationery supplies Traveling expenses Towels and mops Furniture, etc Transportation Straw Services Coal and wood Rain spout	218 29 35 22 1 16 100 840
3	C. A. Schneider's Sons. Louis Hartig Z. D. Gilman Jno. C. Parker Jas. Wilson Woodward & Lothrop W. B. Moses & Sons Littlefield, Alvord & Co W. M. Galt & Co I. P. Roosa Johnson Bros Ernest Betz. J. B. Kendall	Iron Vaseline Stationery supplies Traveling expenses Towels and mops Furniture, etc Transportation Straw Services Coal and wood Rain spout	218 29 35 22 1 10 840 14
3 4 6	C. A. Schneider's Sons. Louis Hartig Z. D. Gilman Jno. C. Parker Jas. Wilson Woodward & Lothrop W. B. Moses & Sons Littlefield, Alvord & Co W. M. Galt & Co I. P. Roosa Johnson Bros Ernest Betz. J. B. Kendall	Iron Vaseline Stationery supplies Traveling expenses Towels and mops Furniture, etc Transportation Straw Services. Coal and wood Rain spout Curry pads Shovel, etc	218 29 35 22 1 10 840 14
3 4 6	C. A. Schneider's Sons. Louis Hartig Z. D. Gilman Jno. C. Parker Jas. Wilson Woodward & Lothrop W. B. Moses & Sons Littlefield, Alvord & Co W. M. Galt & Co I. P. Roosa Johnson Bros Ernest Betz. J. B. Kendall	Iron Vaseline Stationery supplies Traveling expenses Towels and mops Furniture, etc Transportation Straw Services. Coal and wood Rain spout Curry pads Shovel, etc	218 29 35 22 1 10 840 14
3 4 6	C. A. Schneider's Sons. Louis Hartig Z. D. Gilman Jno. C. Parker Jas. Wilson Woodward & Lothrop W. B. Moses & Sons Littlefield, Alvord & Co W. M. Galt & Co I. P. Roosa Johnson Bros Ernest Betz J. B. Kendall Barber & Ross Rudolph, West & Co The J. C. McCubbin Co	Iron Vaseline Stationery supplies Traveling expenses Towels and mops Furniture, etc Transportation Straw Services Coal and wood Rain spout Curry pads Shovel, etc Hardware Gasoline torch	218 29 35 22 1 10 840 14
3 4 6 7	C. A. Schneider's Sons Louis Hartig Z. D. Gilman Jno. C. Parker Jas. Wilson Woodward & Lothrop W. B. Moses & Sons Littlefield, Alvord & Co W. M. Galt & Co I. P. Roosa Johnson Bros Ernest Betz J. B. Kendall Barber & Ross Budolph, West & Co The J. C. McCubbin Co Aversies Lee C	Iron Vaseline Stationery supplies Traveling expenses Towels and mops Furniture, etc Transportation Straw Services Coal and wood Rain spout Curry pads Shovel, etc Hardware Gasoline torch	218 29 22 22 1 16 100 840 14 7 8 47 2
3 4 6	C. A. Schneider's Sons Louis Hartig Z. D. Gilman Jno. C. Parker Jas. Wilson Woodward & Lothrop W. B. Moses & Sons Littlefield, Alvord & Co W. M. Galt & Co I. P. Roosa Johnson Bros Ernest Betz J. B. Kendall Barber & Ross Budolph, West & Co The J. C. McCubbin Co Aversies Lee C	Iron Vaseline Stationery supplies Traveling expenses Towels and mops Furniture, etc Transportation Straw Services Coal and wood Rain spout Curry pads Shovel, etc Hardware Gasoline torch	218 29 22 22 1 16 100 840 14 7 8 47 2
3 4 6 7	C. A. Schneider's Sons. Louis Hartig Z. D. Gilman Jno. C. Parker Jas. Wilson Woodward & Lothrop W. B. Moses & Sons. Littlefield, Alvord & Co. W. M. Galt & Co. I. P. Roosa. Johnson Bros Ernest Betz. J. B. Kendall Barber & Ross. Rudolph, West & Co The J. C. McCubbin Co American Ice Co. W. M. Galt & Co. Wyckoff, Seamans & Benedict	Iron Vaseline Stationery supplies Traveling expenses Towels and mops Furniture, etc Transportation Straw Services Coal and wood Rain spout Curry pads Shovel, etc Hardware Gasoline torch Ice Oats Adjusting typewriter	218 29 35 22 1 16 100 840 14 7 2 2 91 28
3 4 6 7	C. A. Schneider's Sons. Louis Hartig Z. D. Gilman Jno. C. Parker Jas. Wilson Woodward & Lothrop W. B. Moses & Sons. Littlefield, Alvord & Co. W. M. Galt & Co. I. P. Roosa. Johnson Bros Ernest Betz. J. B. Kendall Barber & Ross. Rudolph, West & Co The J. C. McCubbin Co American Ice Co. W. M. Galt & Co. Wyckoff, Seamans & Benedict	Iron Vaseline Stationery supplies Traveling expenses Towels and mops Furniture, etc Transportation Straw Services Coal and wood Rain spout Curry pads Shovel, etc Hardware Gasoline torch Ice Oats Adjusting typewriter	218 233 222 1 16 100 840 14 7 2 91 28
3 4 6 7	C. A. Schneider's Sons. Louis Hartig Z. D. Gilman Jno. C. Parker Jas. Wilson Woodward & Lothrop W. B. Moses & Sons. Littlefield, Alvord & Co. W. M. Galt & Co. I. P. Roosa. Johnson Bros Ernest Betz. J. B. Kendall Barber & Ross. Rudolph, West & Co The J. C. McCubbin Co American Ice Co. W. M. Galt & Co. Wyckoff, Seamans & Benedict	Iron Vaseline Stationery supplies Traveling expenses Towels and mops Furniture, etc Transportation Straw Services Coal and wood Rain spout Curry pads Shovel, etc Hardware Gasoline torch Ice Oats Adjusting typewriter	218 22 35 22 1 16 100 840 14 7 2 91 28
3 4 6 7	C. A. Schneider's Sons. Louis Hartig Z. D. Gilman Jno. C. Parker Jas. Wilson Woodward & Lothrop W. B. Moses & Sons. Littlefield, Alvord & Co. W. M. Galt & Co. I. P. Roosa. Johnson Bros Ernest Betz. J. B. Kendall Barber & Ross. Rudolph, West & Co The J. C. McCubbin Co American Ice Co. W. M. Galt & Co. Wyckoff, Seamans & Benedict	Iron Vaseline Stationery supplies Traveling expenses Towels and mops Furniture, etc Transportation Straw Services Coal and wood Rain spout Curry pads Shovel, etc Hardware Gasoline torch Ice Oats Adjusting typewriter	218 29 35 22 1 16 100 840 14 7 7 7 7 8 47 2 9 9 9 9 1 28
3 4 6 7	C. A. Schneider's Sons. Louis Hartig Z. D. Gilman Jno. C. Parker Jas. Wilson Woodward & Lothrop W. B. Moses & Sons. Littlefield, Alvord & Co. W. M. Galt & Co. I. P. Roosa. Johnson Bros Ernest Betz. J. B. Kendall Barber & Ross. Rudolph, West & Co The J. C. McCubbin Co American Ice Co. W. M. Galt & Co. Wyckoff, Seamans & Benedict	Iron Vaseline Stationery supplies Traveling expenses Towels and mops Furniture, etc Transportation Straw Services Coal and wood Rain spout Curry pads Shovel, etc Hardware Gasoline torch Ice Oats Adjusting typewriter	218 29 355 222 1 16 100 840 14 7 2 91 28
3 4 6 7	C. A. Schneider's Sons. Louis Hartig Z. D. Gilman Jno. C. Parker Jas. Wilson Woodward & Lothrop W. B. Moses & Sons. Littlefield, Alvord & Co. W. M. Galt & Co. I. P. Roosa. Johnson Bros Ernest Betz. J. B. Kendall Barber & Ross. Rudolph, West & Co The J. C. McCubbin Co American Ice Co. W. M. Galt & Co. Wyckoff, Seamans & Benedict	Iron Vaseline Stationery supplies Traveling expenses Towels and mops Furniture, etc Transportation Straw Services Coal and wood Rain spout Curry pads Shovel, etc Hardware Gasoline torch Ice Oats Adjusting typewriter	218 229 35 222 22 10 100 840 147 5 5 47 28 21 28
3 4 6 7 10 11 13	C. A. Schneider's Sons. Louis Hartig Z. D. Gilman Jno. C. Parker Jas. Wilson Woodward & Lothrop W. B. Moses & Sons. Littlefield, Alvord & Co. W. M. Galt & Co. I. P. Roosa. Johnson Bros Ernest Betz. J. B. Kendall Barber & Ross. Rudolph, West & Co The J. C. McCubbin Co American Ice Co. W. M. Galt & Co. Wyckoff, Seamans & Benedict	Iron Vaseline Stationery supplies Traveling expenses Towels and mops Furniture, etc Transportation Straw Services Coal and wood Rain spout Curry pads Shovel, etc Hardware Gasoline torch Ice Oats Adjusting typewriter	218 229 35 222 222 10 100 844 47 2 2 91 28 11 49 49
3 4 6 7	C. A. Schneider's Sons. Louis Hartig Z. D. Gilman Jno. C. Parker Jas. Wilson Woodward & Lothrop W. B. Moses & Sons. Littlefield, Alvord & Co. W. M. Galt & Co. I. P. Roosa. Johnson Bros Ernest Betz. J. B. Kendall Barber & Ross. Rudolph, West & Co The J. C. McCubbin Co American Ice Co. W. M. Galt & Co. Wyckoff, Seamans & Benedict	Iron Vaseline Stationery supplies Traveling expenses Towels and mops Furniture, etc Transportation Straw Services Coal and wood Rain spout Curry pads Shovel, etc Hardware Gasoline torch Ice Oats Adjusting typewriter	218 29 35 22 10 100 840 14 77 78 28 91 28 11 12 39 39
3 4 6 7 10 11 13	C. A. Schneider's Sons. Louis Hartig Z. D. Gilman Jno. C. Parker Jas. Wilson Woodward & Lothrop W. B. Moses & Sons. Littlefield, Alvord & Co. W. M. Galt & Co. I. P. Roosa. Johnson Bros Ernest Betz. J. B. Kendall Barber & Ross. Rudolph, West & Co The J. C. McCubbin Co American Ice Co. W. M. Galt & Co. Wyckoff, Seamans & Benedict	Iron Vaseline Stationery supplies Traveling expenses Towels and mops Furniture, etc Transportation Straw Services Coal and wood Rain spout Curry pads Shovel, etc Hardware Gasoline torch Ice Oats Adjusting typewriter	218 29 35 22 16 100 844 7 2 91 28 1 49 1 1 39 7
3 4 6 7 10 11 13	C. A. Schneider's Sons. Louis Hartig Z. D. Gilman Jno. C. Parker Jas. Wilson Woodward & Lothrop W. B. Moses & Sons. Littlefield, Alvord & Co. W. M. Galt & Co. I. P. Roosa. Johnson Bros Ernest Betz. J. B. Kendall Barber & Ross. Rudolph, West & Co The J. C. McCubbin Co American Ice Co. W. M. Galt & Co. Wyckoff, Seamans & Benedict	Iron Vaseline Stationery supplies Traveling expenses Towels and mops Furniture, etc Transportation Straw Services Coal and wood Rain spout Curry pads Shovel, etc Hardware Gasoline torch Ice Oats Adjusting typewriter	218 25 33 22 1 16 100 100 84 47 7 3 47 28 28 1 1 49 1 1 1 1 1 1 1 1 2 1 7 7 7 7 7 7 7 7 7 7
3 4 6 7 10 11 13	C. A. Schneider's Sons. Louis Hartig Z. D. Gilman Jno. C. Parker Jas. Wilson Woodward & Lothrop W. B. Moses & Sons. Littlefield, Alvord & Co. W. M. Galt & Co. I. P. Roosa. Johnson Bros Ernest Betz. J. B. Kendall Barber & Ross. Rudolph, West & Co The J. C. McCubbin Co American Ice Co. W. M. Galt & Co. Wyckoff, Seamans & Benedict	Iron Vaseline Stationery supplies Traveling expenses Towels and mops Furniture, etc Transportation Straw Services Coal and wood Rain spout Curry pads Shovel, etc Hardware Gasoline torch Ice Oats Adjusting typewriter	218 229 35 222 222 222 223 249 100 840 47 47 47 47 47 49 11 13 39 77 77
3 4 6 7 10 11 13 14	C. A. Schneider's Sons. Louis Hartig Z. D. Gilman Jno. C. Parker Jas. Wilson Woodward & Lothrop W. B. Moses & Sons. Littlefield, Alvord & Co. W. M. Galt & Co. I. P. Roosa. Johnson Bros Ernest Betz. J. B. Kendall Barber & Ross. Rudolph, West & Co The J. C. McCubbin Co American Ice Co. W. M. Galt & Co. Wyckoff, Seamans & Benedict	Iron Vaseline Stationery supplies Traveling expenses Towels and mops Furniture, etc Transportation Straw Services Coal and wood Rain spout Curry pads Shovel, etc Hardware Gasoline torch Ice Oats Adjusting typewriter	218 299 355 222 21 16 1000 8400 14 7 2 91 28 1 1 39 7 7 11 39 25 25 25 25 26 27 27 28 28 28 28 28 28 28 28 28 28 28 28 28
3 4 6 7 10 11 13	C. A. Schneider's Sons. Louis Hartig Z. D. Gilman Jno. C. Parker Jas. Wilson Woodward & Lothrop W. B. Moses & Sons. Littlefield, Alvord & Co. W. M. Galt & Co. I. P. Roosa. Johnson Bros Ernest Betz. J. B. Kendall Barber & Ross. Rudolph, West & Co The J. C. McCubbin Co American Ice Co. W. M. Galt & Co. Wyckoff, Seamans & Benedict	Iron Vaseline Stationery supplies Traveling expenses Towels and mops Furniture, etc Transportation Straw Services Coal and wood Rain spout Curry pads Shovel, etc Hardware Gasoline torch Ice Oats Adjusting typewriter	218 29 35 22 21 16 100 840 147 7 2 9 9 11 11 39 7 7 7 7 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1
3 4 6 7 10 11 13 14	C. A. Schneider's Sons. Louis Hartig Z. D. Gilman Jno. C. Parker Jas. Wilson Woodward & Lothrop W. B. Moses & Sons. Littlefield, Alvord & Co. W. M. Galt & Co. I. P. Roosa. Johnson Bros Ernest Betz. J. B. Kendall Barber & Ross. Rudolph, West & Co The J. C. McCubbin Co American Ice Co. W. M. Galt & Co. Wyckoff, Seamans & Benedict	Iron Vaseline Stationery supplies Traveling expenses Towels and mops Furniture, etc Transportation Straw Services Coal and wood Rain spout Curry pads Shovel, etc Hardware Gasoline torch Ice Oats Adjusting typewriter	218 229 355 222 1 166 100 840 147 7 2 28 1 1 1 1 1 1 1 1 1 1 1 1 1
3 4 6 7 10 11 13 14	C. A. Schneider's Sons. Louis Hartig Z. D. Gilman Jno. C. Parker Jas. Wilson Woodward & Lothrop W. B. Moses & Sons. Littlefield, Alvord & Co. W. M. Galt & Co. I. P. Roosa. Johnson Bros Ernest Betz. J. B. Kendall Barber & Ross. Rudolph, West & Co The J. C. McCubbin Co American Ice Co. W. M. Galt & Co. Wyckoff, Seamans & Benedict	Iron Vaseline Stationery supplies Traveling expenses Towels and mops Furniture, etc Transportation Straw Services Coal and wood Rain spout Curry pads Shovel, etc Hardware Gasoline torch Ice Oats Adjusting typewriter	218 218 228 355 222 25 36 100 840 147 7 2 2 9 9 11 13 39 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
3 4 6 7 10 11 13 14	C. A. Schneider's Sons Louis Hartig Z. D. Gilman Jno. C. Parker Jas. Wilson Woodward & Lothrop W. B. Moses & Sons Littlefield, Alvord & Co W. M. Galt & Co I. P. Roosa Johnson Bros Ernest Betz J. B. Kendall Barber & Ross Budolph, West & Co The J. C. McCubbin Co Avenire Lee C	Iron Vaseline Stationery supplies Traveling expenses Towels and mops Furniture, etc Transportation Straw Services Coal and wood Rain spout Curry pads Shovel, etc Hardware Gasoline torch Ice Oats Adjusting typewriter	218 229 355 222 1 166 100 840 147 7 2 28 1 1 1 1 1 1 1 1 1 1 1 1 1

## $\label{lem:expenditures} \textit{Expenditures of Department of Agriculture for year ending June 30, 1903} - \textbf{Cont'd.}$

Date.	Name.	Nature of payment.	Total.
1903.		D	20. *0
Apr. 18	The Lake Shore and Michigan Southern Railway Co.	Passenger transportation	\$3.78
	Railway Co. Baltimore and Ohio B. R. Co. The Pennsylvania R. R. Co. Washington City Post-Office New York Cycle Co. W. M. Galt & Co. The Hogson & Pettis Manufacturing Co. The American News Co. Jas. Halley et al Z. D. Gilman W. B. Moses & Sons James Wilson	do	13.50 12.75
20	Washington City Post-Office	Stamps	5.00
22	New York Cycle Co	Pedal for bicycle	1.25 64.00
23	The Hoggson & Pettis Manufacturing Co.	Bath, etc	9.00
90	The American News Co	Blotters, etc	31.45 186.60
May 2	Z. D. Gilman	Arnica, etc.	3.20
	W. B. Moses & Sons	Bookcase, etc Traveling expenses Advertising	117 03
	The Washington Post Co	Advertising	148.00 2.10 3.90
8	M. Du Perow Geo. F. Muth & Co Jas. B. Lambie	Plugs	3.90
	Jas. B. Lambie	Kalsomine, etc Brass tubing	39.05 .85
	Washington Gaslight Co	Gas	. 85 33. 10
	Yawman & Erbe Manufacturing Co	Transportation Cards Soap, etc	12.25 7.95
	Mackall Bros	Soap, etc	11,58
	Jas. B. Lamble Washington Gaslight Co Adams Express Co Yawman & Erbe Manufacturing Co Mackall Bros Wyckoff, Seamans & Benedict J. T. Thomson. Chas B. Edmonston	Repairs Stamping, etc Dishes, etc	. 50 49. 40
			7.52
•	Rudolph, West & Co Woodward & Lothrop	Hose, etc	14.85 20.37
	Postal Telegraph Cable Co Potomac Electric Power Co	Service Current	. 40 95, 75
	Potomac Electric Power Co	Current	95, 75 42, 24
9	Fotomac Electric Power Co. United States Express Co. Jas. Wilson The Burnett Co. Wm. M. Galt & Co. W. H. Lacy Lamb & Tilden Thos. Somerville & Sons. Ernest Retz.	Transportation Traveling expenses	39.25
15	The Burnett Co	Batteries Oats, etc Repairing plastering Rack	9.50 43.80
16	W.H. Lacy	Repairing plastering	16.25
	Lamb & Tilden	Rack Turning shank	3.80 1.80
	Ernest Betz	Lining letter chute	7.00
	The C. J. McCubbin Co	Sink, etc	7.00 15.00 77.02
	The C. J. McCubbin Co. E. G. Schafer & Co. American Ice Co.	Sink, etc Pipes Ice Clips Hose racks	104.60
18 19	American News Co C. A. Muddiman & Co The Okonite Co., Ltd	Clips	38, 20 6, 30
	The Okonite Co., Ltd		1.25
20	D Erank Parker	Paner etc	156.15
	Jno. C. Parker Wagner Typewriter Co The Press Clipping Co M. Du Perow	Typewriter, etc	2.00 184.00
21 29	The Press Clipping Co	Clippings	25.00
31	Jas. Halley et al	Salaries	1.53 221.80
June 5	The Fred Macey Co., Ltd	Legal blanks	6, 60
6 8	Jas. Wilson	Tue voling expenses	151.50 145.09
9	M. Du Perow Jas. Halley et al The Fred Macey Co., Ltd Jno. C. Parker Jas. Wilson Jas. N. Rupp Wagner Typewriter Co Washington Gaslight Co. do	Pen Typewriter Gas do Current	3.00 85.00
	Washington Gaslight Co.	Gas	22. 80 28. 00
		do	28.00
	Potomac Electric Power Co	do Service	85, 52 93, 92
	The Chesapeake and Potomac Telephone	Service	6.25
	Co. do	do	74.36
	Capital Traction Co.	Ticket Ice	4.00 126.25
10	do Capital Traction Co. American Ice Co. W. M. Galt & Co. Jas. Strasburger The Press Clipping Bureau. C. Becker Z. D. Gilman	Oats	65, 25
	Jas. Strasburger	Shoe paste Clippings Whip, etc	$\begin{array}{c} 1.00 \\ 25.00 \end{array}$
	C. Becker	Whip, etc	19, 25
	Z. D. Gilman	Vaseline, etc Soap Blanks	. 85
	Mackall Bros Barber & Ross M. Du Parow	Blanks.	23.95 1.80
12	M. Du Perow Thos. Somerville & Sons	Socket hushing	60
12	dodo	Plugs, etc Washers, etc Valves, etc	52.44 11.29
	do do R. Carter Ballantyne do Librar Br	Valves, etc	11.29 66.50
	R. Carter Ballantyne	Air brakes, etc Pens and envelopesdo Coal and wood	41.69 31.63
10	do	do	58, 21
13 17		COSTSTIC WOOD	669.35 51.85
	J.P. Nawrath Wolf Bros W. R. Walker	Twine Envelopes Repairs	22, 25
19	w. R. Walker	Kepairs	10.00

Date.	Name.	Nature of payment.	Total.
1903.			
June 19 22	J. J. Holcomb Manufacturing Co The Smith Premier Typewriter Co	Brushes Typewriter, etc	\$12.00
44	The Washington Post Co	Advertisement	119, 25 13, 80
	R. C. M. Burton & Son	Advertisement Awnings and hangings	321.80
23	W. B. Moses & Sons	Hassocks, etc	82.84
	Woodward & Lothrop	Desks	77.94
	Eberhard Faber	Office supplies	178.73
	United States Envelope Co	Envelopes Ink	66.75 8.10
	Pantagraph Printing and Stationery Co	File	4.75
	Library Bureau Jas. B. Lambie	Book supports	1.10
	Jas. B. Lambie	Scissors, etc.	31.49
	The J. C. Ergood Co. Wyckoff, Seamans & Benedict Clark & Davenport	Brooms and candles	51.80
	Clark & Davenport	Typewriter, etc Linoleum	101.75 $40.75$
	C. Schneider's Sons	Repairs to locks	2.00
	C. Schneider's Sons J. T. Walker's Sons	Repairs to locks	. 75
	W.M. Galt & Co	Oats, etc	44.60
	The Tribune Association	Advertisement	25.40 15.20
	The Press Co	do	15.20 10.80
	Chas. C. Fulton & Co Tribune Co	do	21.60
	The Geo. W. Knox Express Co	Transportation	4.70
	do	do	1.40
	Western Union Telegraph Co E. D. Yerby Pennsylvania R. R. Co Southern Rwy. Co. Baltimore and Ohio R. R. Co Louisville and Nashville R. R. Co.	Services	11.64
24	E. D. Yerby	Traveling expenses	72.75
	Southorn Prov. Co	Passenger transportation	8.00 46.00
25	Baltimore and Ohio R. R. Co	do	6.50
20	Louisville and Nashville R. R. Co.	do	18.00
			18, 50
	Theo. Schondau & Co	Horseshoes	11.00 6.75 17.36
	Hugh Boiller	do	6, 75
	Hugh Reilly Chas. Becker D. Frank Parker		50.40
24	D. Frank Parker	Typewriter ribbons	112.50
~1	M. G. Copeland Co	Awnings	10.85
	W.H.Dŷer	Awnings Doors, etc	75 00
	M. G. Copeland Co. W. H. Dyer E. G. Schafer & Co. Rudolph, West & Co.	Bibbs	15. 00 9. 20 62. 68 172. 50 63. 10 20. 75 110. 11 27. 50 2. 75
	Rudolph, West & Co	Screens	62.68
	The Okonite Co. (Limited) W. M. Galt & Co Capital Traction Co.	Electric supplies	63 10
	Capital Traction Co.	Oats, etc Fare tickets	20.75
	M. Du Perow M. A. Tappan & Co Lamb & Tilden	Supplies	110.11
	M. A. Tappan & Co	Supplies Revolver, etc	27.50
	Lamb & Tilden	Frame Adjusting wheel	2.75
	American Cycle Manufacturing Co	Bronze	16.00
26	The Pennsylvania Co	Passenger transportation	34.00
100	w.m. Gait & Co	Corn	2.70 1.30
29	Thos. Somerville & Sons	Lead traps	1.30
30	Jas. Halley et al	Salaries	162.60
	Total fountly quanton	}	7,954.21
	Total fourth quarter	}	1,354.21
T 1 0	Supplemental.	~ 1	100.00
July 2	I. P. Roosa	Salary Traveling expenses	100.00 $64.75$
9	J. A. Clark The A. J. Joyce Carriage Co The Evening Star Newspaper Co	Repairing carriage	45.00
7	The Evening Star Newspaper Co	Advertisement	1.65
i l			9.88
	The Washington Times Church & Stephenson	do	12.00
	Church & Stephenson	Lumber	58.00
	do	do	21. 00 44. 00
8	The Washington Times Co	Advertisement	1.80
11	D. Frank Parker	Stencil paper, etc	131.75
	Jno. C. Parker	Paste, etc	281.33
	National Mortar Co	Fire bricks	20.34
13	C. R. Edmonston	Buckets Tire on wheel	13.65
	C. R. Edmonston American Cycle Manufacturing Co Wyckoff, Seamans & Benedict	Tire on wheel Typewriter, etc	3.75 92.87
	W. M. Galt & Co	Oats	27.30
14	Geo. F. Muth	Varnish, etc	27.30 77.04
15	Geo. F. Muth Yawman & Erbe Manufacturing Co	Index cards	16.80
16	W. B. Moses & Sons	Matting, etc	38.56
	Z.D. Gilman	Recipe	1.40
	Barber & Ross Thos. Somerville & Sons	Tron level	14.90
	Thos Somerville & Sons	Drills, etc	14 90

Supplemental—Continued.  I. Shulte  1. Shulte  1. Shulte  1. Should a Co  1. Shandan & Shandan & Shandan & Shandan  1. Shandan & Shandan & Shandan & Shandan & Shandan  1. Shandan & Shand	Traveling expenses Horseshoes Bookcase, etc Soap Traveling expenses Screws. Cleaning carpets Mops, etc Typewriter Telephone apparatus Crayon pencils Linoleum Copying ribbons Fly nets Switch board etc	\$241. 17 9. 77 38. 10 6. 22 19. 44 . 86 94. 66 173. 6- 87. 56
neo. Shandan & Co coodward & Lothrop	Horseshoes Bookcase, etc Soap Traveling expenses	9.78 38.10 6.29 19.40 .88
neo. Shandan & Co coodward & Lothrop	Horseshoes Bookcase, etc Soap Traveling expenses	9.78 38.10 6.29 19.40 .88
oodward & Lothrop ackall Bros s. Wilson G. Schafer & Co bert Kahlert & Co dolph, West & Co agner Typewriter Co ellogg Switchboard and Supply Co ed. A. Schmidt ark & Davenport	Soap Traveling expenses	38.10 6.2 19.44 .8 94.6
ackall Bros s. Wilson G. Schafer & Co bert Kahlert & Co dolph, West & Co agner Typewriter Co sllogg Switchboard and Supply Co ed. A. Schmidt ark & Davenport	Soap Traveling expenses	6. 2 19. 4 . 8 94. 6
s. Wilson G. Schafer & Co bert Kahlert & Co dolph, West & Co agner Typewriter Co sllogg Switchboard and Supply Co ed. A. Schmidt ark & Davenport	Traveling expenses Screws Cleaning carpets Mops, etc Typewriter Telephone apparatus	94.6
G. Schafer & Co bert Kahlert & Co dolph, West & Co agner Typewriter Co ellogg Switchboard and Supply Co ed. A. Schmidt ark & Davenport	Screws Cleaning carpets Mops, etc. Typewriter Telephone apparatus.	94.6
nort Kamert & Co adolph, West & Co agner Typewriter Co illogg Switchboard and Supply Co ed. A. Schmidt ark & Davenport	Mops, etc. Typewriter Telephone apparatus	173.6
agner Typewriter Co llogg Switchboard and Supply Co ed. A. Schmidt ark & Davenport	Typewriter Telephone apparatus	27 5
ellogg Switchboard and Supply Co ed. A. Schmidt ark & Davenport	Telephone apparatus	01.0
ed. A. Schmidt ark & Davenport		213.7
ark & Davenport	Crayon pencils	1. 0 47. 8 13. 5
	Linoleum	12.5
Becker	Fly nets	32.7
ne Chesapeake and Potomac Telephone Co.	Switchboard, etc	78.2
A a	Telephone service	6.2
ashington Gas Light Co	Gas	21.5
tomac Electric Power Co	Electric current	102.9 20.6
do	do	245.0
C. Parker	Desk baskets	44.5
ne Press Clipping Bureau	Clippings	25.0
rber & Ross	Keys	1.4
do	Rope	1.4 16.9
C Ballantyne	Pens	22.5
st. Fire Alarm Co	Rent boxes	10.0
nerican Ice Co	Ice	169.3
ie Geo. W. Knox Express Co	Transportation	11.1
dolph, West & Co the Chesapeake and Potomac Telephone	Call to Baltimore, Md	29. 2 . 3
wman & Erba Manufacturing Co	Cond indox onco	5.5
ark & Davenport	Linoleum	3.1
D. Frazee	Laundering towels	73. 3
ackall Bros	Hair brushes	12.0 116.0
hnson Bros	25 cords wood	116.0
P. Nawrath	Pink tape	9.0 334.3
hn Foley, ir	Fountain pen	3. 2
ne A. J. Joyce Carriage Co.	Repairs	30.0
do	Axle grease, etc	9.0
E. Miller & Bro	Soap	2.0
star Telegraph Cable Co	Telegraph service	9. 2 17. 7
ne Oregon R. R. and Navigation Co.	Transportation passenger	16.1
nnsylvania R. R. Co	do	23.5
nicago and Northwestern Rwy. Co	do	71.2
nion Pacific R. R. Co	do	36.0
16 Missouri Pacific Kwy. Co	do	7.5 42.5
ew York Central and Hudson River R. R.	do	9.2
Itimore and Ohio R. R. Co	do	6.5
re Marquette R. R. Co	do	6.0
W. Coggins & Co.	Safe	522.0
S Express Co	Transportation	29.3 46.8
eo. F. Muth & Co	Brush etc	40.8 11.0
alin & Martin Co	Jar	5. 4
brary Bureau	Cards	5. 4 7. 5
icago and Northwestern Rwy. Co	Passenger transportation	7.8
orthern Pacific Rwy Co	do	36.0 60.0
	do ashington Gas Light Cotomac Electric Power	do ashington Gas Light Co.  do Gas  thomae Electric Power Co Electric current  do Gas  C. Parker Desk baskets  Clippings Uripings  the Press Clipping Bureau Clippings  the Press Clipping Bureau Clippings  the Ross Keys  do Rope  Uris & Shafer Co Clock and repairs  C. Ballantyne  st. Fire Alarm Co Rent boxes  nerican Ice Co Ice  the Geo. W. Knox Express Co Transportation  thought, West & Co Drilling machine  call to Baltimore, Md  Cald to Baltimore, Md  Cald to Baltimore, Md  Cald index case  Linoleum  D. Frazee Laundering towels  has baskets  Cald index case  Linoleum  D. Prazee Laundering towels  has bross  has bross  Pontation of exchanges  has brushes  Soap  Fountain pen  at A. J. Joyce Carriage Co  Ack Bross  Soap  E. Miller & Bro  Stall Telegraph Cable Co  estern Union Telegraph Co  ne Oregon R. R. and Navigation Co  mnsylvania R. R. Co  do  orthern Pacific R. W. Co  ew Wyork Central and Hudson River R. R.  do Wyork Central and Hudson River R. R.  do Worker Ren Co  do do  odo  odo  odo  odo  odo  odo

# Expenditures of Department of Agriculture for year ending June 30, 1903—Cont'd. Contingent expenses settled by treasury.

Date.	Name.	Nature of payment.	Total.
1903.	Pennsylvania Railroad Co .	Transportation Passenger transportation do do do do	\$170, 60
Apr. 28	Atchison, Topeka and Santa Fe Rwy Co .		5, 90
June 26	Union Pacific Railroad Co .		36, 65
July 28	Southern Pacific Co .		49, 90
Sept. 21	do .		27, 60

#### LABORATORY.

1902.			
ly 12	E. E. Ewell	Traveling expenses	
19	Ernest Betz W.D. Bigelow	Repairing machine	
22 23	W. D. Bigelow	Expenses	
23	F. C. White Wyckoff, Seamans & Benedict	Cans	
25	Wyckoff, Seamans & Benedict	Typewriter	
26	Arthur Given Yawman & Erbe Manufacturing Co	Traveling expenses	
	Yawman & Erbe Manufacturing Co	Perforators	
00	M. Du Perow	Paper, etc	
28	National Mortar Co.	Cement	
	E. G. Schafer & Co	Pipe	
	Ernest Betz Evans & Sons, Limited Whitall Tatum Co	Shaking machine	
	Evans & Sons, Limited	Fly catchers	
	Robert Cross	Flint	
29	Robert Green	Services	
30	J. Ross Cellins Eimer & Amend W. D. Bigelow et al	Bags Anhydride	
31	W D Piccolow et al	Salaries	2.
1g. 1	S.P. Johnson	Typewriter	2
1g. 1 8	Monticello Wine Co.	Corking machine	
11	Church & Stephenson	Shelving, etc	
11	Eimer & Amend	Balance	
12	W D Birelow	Traveling expenses	
14	W. D. Bigelow W. B. Alwood	do	
11	J F Strauss	Drawings	
	J. F. Strauss Arthur H. Thomas Co	Pipettes.	
	Richards & Co.	Dishes	
19	Houghton & Delano	Dishes Photographic supplies	
10	P. Mann & Co	Feed cutters.	
	P. Mann & Co American Writing Machine Co	Stands	
	Mackall Bros	Chemicals, etc.	
	Z. D. Gilman	Tubing	
	do	Chemicals, etc.	
	G. T. Ennis	Castings	
20	Rudolph, West & Co	Cotton waste	
	E. J. Pullman J. D. Johnson & Son	Kits with plates	
	J. D. Johnson & Son	Rent	
21	Eimer & Amend	Tubing	
	Wm. B. Alwood	Salary Cabinet Alcohol	
	The Hamilton Manufacturing Co	Cabinet	
23	The American Distributing Co	Alcohol	
	Merck & Co-Yawman & Erbe Manufacturing Co	Chemicals	
	Yawman & Erbe Manufacturing Co	Binding cases, etc	
	Wolf Bros	Envelopes	
	do	Envelopes	
	Eimer & Amend	Hydrometer	
	Richards & Co Whitall Tatum Co	Dishes	
	Whitall Tatum Co	Jars, etc	
	do	Bottles	
0.5	do	Beaker glasses.	
25	J. K. Haywood	Expenses	
26	Neely Electric Co American Writing Machine Co	Electric supplies	
	American Writing Machine Co	Paper	
	Standard Oil Co Washington Gas Light Co United States Electric Lighting Co	Qif	
	Washington Gas Light Co	Gas	
	D. D. Clarks Electric Lighting Co	Current	
	R. P. Clarke Co.	Toweling	
	E. G. Schafer & Co	Packing	
	Alex. Schmid	Boxes	
	E. Morrison Paper Co	Paper bags	
	R. Carter Ballantyne Jas. B. Lambie	Pens Hardware	
	Ino R Fener	do	
	Jno. B. Espey E. J. Pullman	Plates	
	E.J. Pullman	do	
	W. B. Moses & Sons	Oilcloth	
	The Somerville & Sons	Pipe, etc	
30	Thos. Somerville & Sons W. D. Bigelow et al	Salaries	2.
ept. 5	Christian Becker	Balance	10.

Dat	e.	Name.	Nature of payment.	Total.
190	2.			
Sept.	. 5	The Okonite Co., Ltd. E. F. Vermillion F. P. May & Co	Wire	\$1.50 5.00
		E.F. Vermillion	Inspecting boilers	5.00 7.00
		Jas R Lambie	Spatulas Steel tape Felt Tickets	4.00
		Jas. B. Lambie J. T. Walker & Sons Capital Traction Co	Felt	1.40
		Gapital Traction Co Z. D. Gilman do W. B. Alwood R. J. Davidson W. A. P. Moncure Birch & Co Jos. L. Crupper Hugh Reilly Jas. B. Lambie	Tickets	5.00
		Z. D. Gilman	Flasks, etc	195.59 107.01 50.00
	6	W. P. Almood	Chloride gold, etc	50.00
		R. J. Davidson	do	50.00
		W. A. P. Moneure	do	50.00
	10	Birch & Co	Sugar	1.10
	11	Jos. L. Crupper	Blocks, etc	9.80
	11	Hugh Reilly Jas B. Lambie Z. D. Gilman E. G. Schafer & Co	Relt lacings	9.34
		Z. D. Gilman	Belt lacings. Chemicals Pipe, etc.	2.70 83.20
		E. G. Schafer & Co	Pipe, etc	18.28
		R. C. M. Burton	Awnings	11.80
	15	T Bront Moore	Nails Salary Rent Chucks	2.50 154.84
	16	J. Harrison Johnson & Son	Rent	208.33
	17	Carey Machinery and Supply Co	Chucks	12.90 22.50
		The Randolph Paper Box Co	Boxes	22.50
		R. C. M. Burton Barber & Ross T. Brent Moore J. Harrison Johnson & Son Carey Machinery and Supply Co The Randolph Paper Box Co Sprague Electric Co M. Du Perow	Repairs to armature	10.00
	•	Louis Hartio	Files	4.50 2.50
		M. Du Perow Louis Hartig Standard Oil Co Thos. Somerville & Sons	Electric supplies Files Gasoline Repairs	4.36 2.50 7.95
		Thos. Somerville & Sons	Repairs	9.54
				26.84
		Dulin & Montin Co	do Choppers	40.60 13.50
		do	Ovens	34.00
		National Mortar Co Church & Stephenson Neely Electric Co Rudolph, West & Co		3, 44
		Church & Stephenson	Lumber	60.16
		Neely Electric Co	Silk cord	4. 46
		do do	do	1.42 2.00
		S. P. Shotter & Co	Lumber Silk cord Stepladder, etc do Oil, etc	. 85
		S.P. Shotter & Co Whitall Tatum Co		. 85 52. 99
		do Falknau-Sinclair Machine Co	Lilass rods	2.70 49.20
	19			2.25
	10	Jno. C. Parker F. P. May & Co Arthur H. Thomas Cododo Dulin & Martin Co. Isaac A. Sheppard & Co. Boston Gear Works The Geo. W. Knox Express Co. E. G. Schafer & Co.	Gummed paper Coffee mill Rubber tubing	1.50
		Arthur H. Thomas Co	Rubber tubing	39, 26
	20	Delin 6 Months G	Chemicals Crocks	43.10 2.70
		Isaac A Shennard & Co	Gutters	2.40 22.49
		Boston Gear Works	Miters	2.50
	25	The Geo. W. Knox Express Co	Miters Transportation	.50 5.82
		E.G. Schafer & Co.	Tubing, etc	5.82
		Library Bureau Eimer & Amend Whitall Tatum Co H. W. Wiley	Guides Furnace, etc	21.50
		Whitall Tatum Co	Bottles	30.78 57.98
	27	H. W. Wiley	Traveling expenses Repairs to typewriter Salary Salaries	21.15
	00	Wagner Typewriter Co. W. B. Alvord. W. D. Bigelow et al	Repairs to typewriter	18.00
	30	W. B. Alvord	Salary Salary	50.00
		W.D. Digelow et al	Salaries	2,165.34
		Total first quarter		10,263.45
Oct.	2	R I Davidson	Salary	50.00
OCt.	A	W. A. P. Moncure	do	50.00
		T. Brent Moore	do	100.00
		R. J. Davidson W. A. P. Moncure T. Brent Moore Jno. C. Parker	do do Gummed paper Paper	2, 25
	0	do Chas. E. Johnson		6.25
	6	The American Distributing Co.		2.00 29.28
		E.J. Pillman	Photo supplies	2.31
	7	J Harrison Johnson		208.33
	10	Geo. F. Muth & Co	Chamois skins	. 98 9. 93
	11	Geo. F. Muth & Co E. G. Schafer & Co W. S. Morris Sons	Pipe	9.93
	15	Houghton & Delano	Photo supplies	3.15 2.62
	16	Edwd. H. Jenkins	Photo supplies Traveling expenses Cabinets	26.87
		Edwd. H. Jenkins Yawman & Erbe Manufacturing Co	Cabinets	18.00
		Whitail Tatum Co	Bottles	3. 24
		Eimer & Amend Wall Bros W.B. Moses & Sons	Envelopes	6.75
	- W	W D Mossos & Cons	Tables	2.67 7.88
	17	Z. D. Gilman	rables	

Date.	Name.	Nature of payment.	Total.
1902.			
Oct. 17	Jas. B. Lambie	Excelsior	\$1.
18	Fredk.Carl	Tube Generators, etc	11.
20	A. T. Thompson	Cylinders	230.
21	Z. D. Gilman A. T. Thompson Thos. Somerville	Cylinders Fittings	23. 12.
	do	Plates	17.
	do do Rudolph, West & Co Whitall Tatum Co	Fittings	17. 20.
	do	Hatchets	22
	Rudolph, West & Co	Flasks, etc	83.
	do	Pinettes	30. 30.
22	whitan Tatum Co do New York Belting and Package Co. (Ltd.). Hugh Reilly Whitall-Tatum Co do Emil Greiner The J. L. Mott Iron Works. do	Pipettes Mold, etc.	30. 8.
	Hugh Reilly	Glass	2.
23	Whitall-Tatum Co	Flasks	14.
	do	do	71.
	Emil Greiner	Bulbs	12.
	do	Bulbs Laboratory fittings	18.
	Woodward & Lothron	Desks, chairs, etc	36. 46.
	Jno. B. Espey The Smith Premier Typewriter Co T. Brent Moore Eimer & Amend	Brass rod, etc	7.
	The Smith Premier Typewriter Co	Repairs	6.
24	T.Brent Moore	Salary Chemicals	45. 2.
25	Eimer & Amend	Chemicals	
	do do do Whitall Tatum Co Wyckoff, Seamans & Benedict A. T. Thompson & Co Arthur H. Thomas Co Hugh Reilly Christian Becker M. Du Perow Densmore Typewriter Co Mackall Bros do	do Tubing, etc Pipettes Paper	6. 21
	Whitall Tatum Co	Pinettes	21 79
	Wyckoff, Seamans & Benedict	Paper	2.
	A. T. Thompson & Co	Arc lamp Microtome, etc Glass	36
	Arthur H. Thomas Co	Microtome, etc	81.
27	Hugh Reilly	Glass.	81. 1. 28. 1.
28 29	M. Dy Donor	Repairs	28.
29	Denemore Typewriter Co	Sockets	1.
	Mackall Bros	Typewriter covers Sodium, etc	15.
	do	Chemicals	40.
	Wm. Frear W. D. Bigelow et al Einer & Aménd	Traveling expenses	40. 27. 2, 282.
31	W. D. Bigelow et al.	Salaries	2,282
ov. 1	Eimer & Aménd	Flasks, etc	16.
	00	Chemicais Traveling expenses Salaries Flasks, etc Watch glasses Expenses Electric supplies Troweling	15.
	J. R. Haywood The Wirt Electric Co	Electric cumplies	11. 20.
3	R. P. Clarke Co Capital Traction Co. National Electric Co	Toweling	20.
	Capital Traction Co.	Tickets	5.
	National Electric Co	Telephone	5. 45.
	Whitall-Tatum Co The Geo. W. Knox Express Co Washington Gaslight Co	Tickets Telephone Condenser Transportation	10.
4	The Geo. W. Knox Express Co		1.
	dodo	do	22 25
	United States Electric Lighting Co	Light and power	6.
	do	Current	
	do	Lighting building	9.
5	do do Whitall Tatum Co Manning, Maxwell & Moore The American Distributing Co R.J. Davidson Wm. B. Alvord	do Light and power Current Lighting building Burettes	3,
6	The American Distributing Co	Alcohol	16. 29.
6	R. J. Davidson	Nozzle Alcohol Salary do Traveling expenses	29. 50.
	Wm, B, Alvord	do	50.
	wm. B. Alvord do S. J. Beveridge Houghton & Delano. Rudolph, West & Co do Z. D. Gilman Church & Stephenson do	Traveling expenses	59.
8	S.J. Beveridge	Rent Plates	. 100.
13	Houghton & Delano	Plates	6.
	Rudolph, West & Co	Brackets	4.
	Z D Gilman	Rubber hose Castor oil	*
	Church & Stephenson	Lumber	4
	do		3
	J. Harrison Johnson	Rent.	208
17	J. Harrison Johnson W. A. P. Moncure W. H. Teas	Salary	50.
	W. H. Teas	Expenses Spirits and oil Envelopes	9.
	S. P. Shotter Co. United States Envelope Codo.	Envelopes	1.
	dodo	do	3.
	W.D. Digelow	FAX Denses	82.
	Doremus Machine Co	Brass castings Starch	2.
	G. G. Cornwell & Son The Lambert-Schmidt Telephone Manu-	Starch	1.
19	The Lambert-Schmidt Telephone Manu-	Desk, stands, etc	30.
	facturing Co.	Brushes, etc	6.
20	Mackall Bros	Chemicals	57
20	Eimer & Amend Mackall Bros The J. L. Mott Iron Works	Chemicals Fittings, etc	4.
21	Thos. Somerville & Sons Hugh Reilly	Valves Glass	8.
			1.

Date.	Name.	Nature of payment.	Total.
1902.			
Nov. 21	Church & Stephenson The Paddock Cork Co Z. D. Gilman Thos. Somerville & Sons	Lumber	\$5.37 20.71 158.24 1.71
	The Paddock Cork Co	Corks, etc Funnels, etc	20.71
	Z. D. Gilman	Funnels, etc	158.24
	Thos, somervine & sons	Wrench Steam fittings	1. 61
	do	Steam fittings do Disco paper Salaries Repairs Erecting apparatus, etc	4.67 1.70
29	F. & J. K. Bishop	Disco paper	4.32
20	F. & J. K. Bishop W. D. Bigelow et al	Salaries	2,318,57
Dec. 1	W. D. Sigelow et al. National Electric Supply Co C. P. Guyton W. H. Dyer M. Du Perow The Okonite Co. (Limited) C. W. H. Carter Eimer & Amend Lyited States Envolves Co.	Repairs	. 70 8. 25
2	C.P.Guyton	Erecting apparatus, etc	8. 25
6	W. H. Dyer	Labor Electric supplies Wire Varnish	4.50
0	M. Du Perow	Electric supplies	6.58
8	C W H Carter	Varnich	3.00 .87
	Eimer & Amend	Tiles, etc	3, 65
	United States Envelope Co	Envelopes	3. 65 7. 56 2. 18
10	Houghton & Delano	Envelopes Photo supplies	2.18
	J. Harrison Johnson	Rent Typewriter stand Chemical apparatus	208.33
12	American Writing Machine Co	Typewriter stand	3.50
	The Kny-Scheerer Co	Chemical apparatus	18.00
13	United States Envelope Co Houghton & Delano J. Harrison Johnson American Writing Machine Co The Kny-Scheerer Co Hugh Reilly The Burnett Co	Batteries	1.05
17	Dulin & Martin Co	Jars	3.80 12.50
18	Hugh Relly The Burnett Co Dulin & Martin Co The Baker & Adamson Chemical Co B. J. Davidson	Brushes Batteries Jars Sodium	4. 40
	R. J. Davidson Wm. B. Alwood Jno. B. Espey Julia S. Read	Salary	50.00
•	Wm. B. Alwood	Salarydo Drills. Hemming linen Drying oven Stovepipe Expenses Badistors of a	50.00
	Jno. B. Espey	Drills	5.50
	Julia S. Read	Hemming linen	5. 35
	Ernoct Rotz	Stovenine	34.00 2.00
	Jos. Mathy Ernest Betz J. K. Haywood	Expenses	9.96
19	Ben Einstein	Radiators, etc Chemicals Chemicals, etc	91.00
	Mackall Bros Z. D. Gilman	Chemicals	81. 43 52. 97
	Z. D. Gilman	Chemicals, etc	52.97
31	W. D. Bigelow et al	Salaries	2,443.87
	Total second quarter		10, 578, 75
1903.	Total second quarter		10, 370. 13
Jan. 3	H. W. Wiley	Expenses	73.72
000111	do .	Expenses Traveling expenses Rings	26.75
5		Rings	26, 75 25, 12
	The Bunnell Telegraph and Electric Co The Geo. W. Knox Express Co National Mortar Co Jno. C. Parker Modelal Bree	Pliers	4.32
	The Geo. W. Knox Express Co	Transportation Clay Tags and rulers	4.67
	National Mortar Co	Tage and unlose	. 58 5. 66
	Mackall Bros	Wire	8.48
	Mackall Bros Rudolph, West & Co Potomac Electric Power Co	Wire Sandpaper, etc	3. 61
	Potomac Electric Power Co	Current	3, 61 5, 91
	do	do	7.32
6	Wm. B. Alwood	Salary	50.00
	K. J. Davidson	Salarydo	50.00
	Christian Becker	Weights	7.47 8.96
	Mm. B. Alwood R. J. Davidson Christian Becker Schoville Manufacturing Co Arthur H. Thomas Co Jno. Lucas & Co Church & Stephenson do	Dishes Alum, etc Cans	9 65
	Jno. Lucas & Co	Cans	2. 65 2. 70
8	Church & Stephenson	Lumber	1.44
	Jas. B. Lambie	do	5.48
	Jas. B. Lambie	Wire cloth, etc	6,91
	do	Belting	7. 77
10	TI W Wiles	Brass, etc	14.62
12	do H. W. Wiley Mackall Bros do	Brass, etc Expenses Acid	19.44 42.75
120	do		25. 46
	do do 	do	4.00
	Thos. Somerville & Sons	Gauge, etc	4. 16
	do	Poolzing	3.83
	Coo E Winth & Co	Fittings	4.75
	do Geo. F. Muth & Co W. B. Moses & Sons	Fittings Fitches Table	1.30 2.75
	W. B. Moses & Sons	Mats and table	5. 44
	do	Tables, etc	35, 50
	dodo	Refrigerator	35.50 55.00
	Ernest Best	Mats and table Tables, etc Refrigerator Water baths Typewriter cover	36, 00
	Densmore Typewriter Co Chas. H. Javins & Sons	Typewriter cover	1.00
	Cnas. H. Javins & Sons		1.00 16.10 81.32
	J. Hillman	Notobook	81.32
	Jno. C. Parker Z. D. Gilman	do	10.60 225.81
		TEUDOUT SUUDOIS, CU	Wirth OL
	Z. D. Gilman Wyckoff, Seamans & Benedict	Paper	5.20

Date.	, Name.	Nature of payment.	Total
1903.			
n. 12	Woodward & Lothrop	Basket, etc	\$12
	Church & Stephenson J. Harrison Johnson & Son Jos. L. Cruppen	Lumber	1
	J. Harrison Johnson & Son	Rent	208
13	Jos. L. Cruppen	Sash frame	2
	Anson J. Beveridge	Rent	50
15	Anson J. Beveridge United States Envelope Co	Envelopes	19
	Whitall Tatum Co	Tubes	3
	do	Bottles, etc	6
	do _:	do	21
	Yawman & Erbe Manufacturing Co	Binding case	7
	Eimer & Amend	Watch glasses	2
	do	Binding case	6
	do	Beakers	8
	do	Chloride	22
	Wolf Bros	Envelopes	
	Wolf Bros Arthur H. Thomas Co. Edwd. Orton & Co	Tubing, etc	1
	Edwd. Orton & Co	Cones	1
	Merck & Co- Richards & Co-	Chemicals	1
	Richards & Co	Dishes.	5
	C. W. H. Carter	Oil	1
	Crosby Steam Gauge and Valve Co	Cards	ŧ
	The American Distributing Co	Alcohol Canned food	30
	C. W. H. Carter Crosby Steam Gauge and Valve Co. The American Distributing Co. Curtice Bros. Co.	Canned food	36
	ao	Food	45
	do	Food	43
16	E.J. Lewis	Cylinder	10
	Roslyn Packing Co	Food Traveling expenses	2
	H. A. Weber Houghton & Delano Arthur H. Thomas Co	Traveling expenses	3
1.00	Houghton & Delano	Photo supplies Camera, etc	
17	Arthur H. Thomas Co.	Camera, etc	502
21	Chas, Becker Thos, Somerville & Sons	Lead	1
	Thos. Somerville & Sons	Repairs, etc	14
	National Electric Supply Co	do Commutator compound	12
	National Electric Supply Co.	Commutator compound	
	Neely Electric Construction and Supply Co- Potomac Electric Power Co	Silk cord, etc	-
	do	do	2
	do	Lamps	204
	do Washington Gaslight Co	Gas	2
	do	dodo	2
	do	do	3
	Barber & Ross	Nails	
	do	Kitchen utensils	28
	E. G. Schafer & Co	Repairs, etc	5
	do	Pipe	(
	Hugh Reilly	Glass	
	do	do	8
	M. Du Perow	Apparatus	
	The Geo. W. Knox Express Co	Transportation	]
	M. Du Perow The Geo. W. Knox Express Co. Capital Traction Co.	Faretickets	
22	G.G.Cornwell & Son	Provisions	8
	H. J. Patterson	Butter	17
	Auguste Sandez	Bread	10
	Standard Oil Co The Baker & Adamson Chemical Co	Gasoline	- 8
	The Baker & Adamson Chemical Co	Chemicals	10
	M. A. Scovell	Traveling expenses	3
00	Blue Line Transfer Co.	Transportation	
29	The Randolph Paper Box Co	Boxes	4
	The Torsion Balance Co	Scales Canned goods	
	Curtice Bros. Co.	Wills	38
	Bellone Dairy Farm	Milk	2-
	R. P. Clarke Co	Toweling Inspecting boiler	10
	E. F. Vermillion Keasbey & Mattison Co Wyckoff, Seamans & Benedict Yawman & Erbe Manufacturing Co	Steem fittings	
	Wyokoff Soomans & Ponedict	Steam fittings Ribbons	
	Vawman & Erbe Manufacturing Co	Indexes	2
	Ernest Betz.	Making apparatus	2
	E. G. Schafer & Co	Pipe	
31	W. D. Bigelow et al.	Salaries	2, 49
Teb. 31	Jno. C. Parker	Gummed paper	7, 100
4	Barber & Ross	Kettles	1
1	Chas. E. Miller & Bro	Paste	-
	Chas, E. Miller & Bro F, & J, K. Bishop Art Co	Photo supplies.	-
	Standard Oil Co	Gasoline	5
	Standard Oil Co United Typewriter and Supplies Co	Chair	ř
	Curtice Bros	Apple sauce	80
	do	Preserves.	5
	J. H. F. Halin	Steel	6
	do		į

Date.	Name.	Nature of payment.	Total.
1903.			
Feb. 4	Kuttroff, Pickhardt & Co Bihn & Wolff Co	Paste	\$0.4
	Bihn & Wolff Co	Lamp black	. 3: 20. 8
	F. E. Singleton I. Pfeiffer	Electric motor	20. 8 3. 5
	The American Distributing Co	Lamp black Electric motor Paris green 1 barrel alcohol	30.6
	The American Distributing Co	tas lank	30.0
	The Relzer & Adamson Chemical Co	('homicol	7.10 10.50
	Thos Boyce Jno Lucas & Co J. Harrison Johnson & Son Woodward & Lothrop	Burners	
~	Jno. Lucas & Co	Cans	3.9
7	Woodward & Lothron	Rent Chairs. etc	208.3 25.0
	do	do	4.0
9	United States Express Co M. Du Perowdo	Transportation	4. 0 33. 0
	M. Du Perow	Sockets Cord.etc	2.2
	do deo. T. Ennis Yawman & Erbe Manufacturing Co Edw. H. Jenkins Wm. Frear	Costings	2.2
	Varmen & Erbe Manufacturing Co	Cord. etc Castings Binding cases, etc Traveling expenses do Pencils Transportation Balance	6.8
12	Edw. H. Jenkins	Traveling expenses	28.0
	Wm. Frear	do	33 7
	Fred A. Schmidt Adams Express Co Christian Becker Jas Campbell Preserve Co Francet Betz	Pencils	117.6: 125.3
1.1	Adams Express Co	Transportation	117.6
14	Unristian Becker	Balance	38.8
	Ernest Betz	Pino	8.5
16	Ernest Betz. American Gas Furnace Co. F. E. Singleton	Muffles. Screw press Guides and trays. Plates.	8.0
	F. E. Singleton	Screw press	26.5
			8.5
	Houghton & Delano The Geo. W. Knox Express Co Thos. Somerville & Sons F. A. Tschiffely, jr	Plates	1.6 8.0
	Thos Somerville & Sons	Plumbers' supplies	23.1
	F. A. Tschiffely, ir	Bottles	2.7
	Auguste Sandez Chas. H. Javins & Sons National Mortar Co	Transportation Plumbers' supplies Bottles Bread Supplies for hygenic table Cement Paper Setion	2. 7. 15. 6
	Chas. H. Javins & Sons	Supplies for hygenic table	23.3
	National Mortar Co.	Cement	2.5
	Lanchurgh & Bro	Paper	24.7 3.0
	Jno. B. Espey	Satine Tape.etc Fare tickets	8.6
	Capital Traction Co	Fare tickets	5.0
	National Mortar Co. American Writing Machine Co Lansburgh & Bro Jno. B. Espey Capital Traction Co. Barber & Ross. A. C. Rowe. Carl Zeiss. The Okonite Co. (Limited)	Gas range Fire extinguishers Camera stand top, etc	15.0
	A. C. Rowe	Fire extinguishers	48.0 18.5
	Carl Zeiss The Okonite Co. (Limited) Improved Mailing Case Co Thos. Boyce Scoville Manufacturing Co Wm. B. Alwood R. J. Davidson Fred C. White Eimer & Amend do do do do	Wire	2.1
	Improved Mailing Case Co	Cases, etc Burners Aluminum dishes	4 6
	Thos. Boyce	Burners	21.0
	Scoville Manufacturing Co	Aluminum dishes	8.9
	Wm. B. Alwood	Salary	50, 0 50, 0
	Fred C White	Alcohol cans	16.2
17	Eimer & Amend	Alcohol cans Chemicals Chemicals, etc Filters Apparatus Weights.etc Caserols Lumber Electric supplies Buyetts etc	2.8
	do	Chemicals, etc	2. 8 12. 7 12. 9
	do	Filters	12.9
	do	Apparatus	18.3
	do	Weights, etc	38.7 40.0
	do Church & Stephenson	Lumber	21.8
	M. Du Perow Z. D. Gilman do do do	Electric supplies	5.2
18	Z. D. Gilman	Burettes, etc	234.8
	do	Chemicals, etc Thermometers	115.0
20	H W Wilow	Thermometers	15.0 30.9
20	do do H. W. Wiley Curtice Bros. Co Bellvue Dairy Farm J. Hilman Rosslyn Packing Co	ExpensesCanned fruit	15.1
	Bellvue Dairy Farm	Milk	29.6
	J. Hillman	Milk Provisions	16.8
27	Rosslyn Packing Co	do	54.0 32.5
21	Rosslyn Packing Co Mackall Bros W. S. Moore's Sons	Sodium hydrate Castings Belting.etc	32, 5
24 25			4.3 36.7
100	Chas, E. Miller & Bro E. G. Schafer & Co Rudolph. West & Co	Heater	2.5
	E. G. Schafer & Co	Pipe	8, 8 2, 1
	Rudolph. West & Co	Pipe Door check	2.1
			13.3
	H. J. Patterson Bellvue Dairy Farm Susan J. Beveridge The American Distributing Co. Paddock Cork Co.	Butter Milk Rent of building Alcohol	16.5 15.6
	Susan J. Beveridge	Rent of huilding	25. 0
28	The American Distributing Co.	Alcohol	27.4
	Paddock Cork Co	Corks	6.9
	The Chesapeake and Potomac Telephone Co.	Corks Hangers	2.0
Mar. 3	W. D. Bigelow et al	Salaries	2, £00, 8
		Service	1.2

 $Expenditures \ of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1903-{\bf Cont'd}.$ 

ate.	Name.	Nature of payment.	Tota
03.			
r. 3	The Chesapeake and Potomac Telephone	Service	9
	Co.	l i	
4	J. K. Haywood	do	g
5	Potomac Electric Power Co	Expenses Lamps	ē
0	do	do	
	do	Lights and power	4
	Hugh Reilly	Glass	
	do Chas. Becker	Turpentine White lead	
	do	do	
	R. Carter Ballantyne The Geo. W. Knox Express Co. Forsberg & Murray	Pens.	
0	The Geo. W. Knox Express Co	Transportation	1
9	Ernest Betz	Repairs to boiler, etc Boiler and tubes	1
11	Z. D. Gilman	Flasks, etc	ę
	E. J. Pullman National Electrical Supply Co	Photo supplies	`
	National Electrical Supply Co	Receipts	
		Bottles	
	A merican Writing Machine Co	Tables	
14	W. B. Moses & Sons American Writing Machine Co Manning, Maxwell & Moore The Garden City Sand Co	Tee	
		Quartz	
	Thos. Boyce	Burners	1
	I. Pfeiffer J. Harrison Johnson & Son	Paris green Rent	20
16	H. W. Wilev	Expenses	20
17	H. W. Wiley M. Du Perow	Tape	
	Houghton & Delano	Photo supplies	
	Phillip H. Grimes Dulin & Martin Co	Repairs	
	Ernest Betz.	Coffee mill Making tank	1
	Jno. Lucas & Co	Cans.	j
	E. R. Squibb & Son	Litmus paper	
	Merck & Co- Eimer & Amend	Chemicals	
	Eimer & Amend	Flasks, etc	7
	do	Bottles, etc	í
	do	Cylinder Chemicals	i
	do	Filter paper	
1 10	Whitall Tatum Co	Glass flasks	6
17	dodo	Flasks, etc Bottles	1
	do	Jars	
19	do The Geo. W. Knox Express Co	Transportation	
	Blue Line Transfer Co	do	1
	H. J. Patterson Chas. H. Javins & Sons	Butter Supplies for table	1
	Z.D.Gilman	Bottles, flasks, etc.	7
	Woodward & Lathrop	Jars, chairs, etc	2
20	Whitall Tatum Co	Jars, etc	2
21	J. P. Ennis	Castings	9
23	Whitall Tatum Co Emil Greiner	Pipettes Crucible holders	1
	Richards & Co	Dishes	1
	The Rosslyn Packing Co.	Table supplies	5
	The Rosslyn Packing Co Forsberg & Murray Chas. E. Miller & Bro	Iron plates	
	Potomac Electric Power Co	Gas heater Electric current	2
	do	Lamps	
24	Auguste Sandoz	Bread	1
	Z. D. Gilman	Burettes, etc.	45
	Wm. B. Alwood	Salary	5
	W. S. Jenks Susan J. Beveridge	Steel Rent	2
25	Church & Stevenson	Lumber	1
26	Washington Gaslight Co	Gas	5
	F. & J. K. Bishope Art Co	do	6
	F. & J. K. Bishope Art Co	Disco paper Rotox	
	Ernest Betz	Ventilation apparatus	1
	E.J. Pullman	Cards	
	do	Plates	
	R. P. Clarke Co	Toweling	1
	Jno. B. Espey J. Baumgarten & Sons	Screws, etc Stencils, etc	
	F. P. Way & Co	Spatula	
	F. P. May & Co Warren M. Whyte The Alexandria Iron Works	Saws	
	The Alexandria Iron Works	Castings	
	O. A. Duzenbaker The Mathy Co. (Incorporated)	Asbestos paper, etc Funnel	

The Zanesville Stoneware Co.   Covers and rings   13.	Date.	Name.	Nature of payment.	Total.
Mar. 26	1903.			
The Zanes Units Source   Contribute   Arthur H. Thomas Co.   Contribute   Arthur H. Thomas Co.   Contribute   Arthur H. Thomas Co.   Contribute	Mar. 26	The Mathy Co. (Incorporated)	Solder	\$0.50
Rajph S. Weaver   Meat. etc   20.		The Zanesville Stoneware Co	Covers and rings	13.10
Rajph S. Weaver   Meat. etc   20.		Richards & Co	Centrifuce	44.00
Rajph S. Weaver   Meat. etc   20.		The Baker & Adamson Chemical Co	Chemicals	11 65
Rajph S. Weaver   Meat. etc   20.		Improved Mailing Case Co	Cases, etc	5.10
Rajph S. Weaver   Meat. etc   20.		Eimer & Amend	Filters	6.75
Rajph S. Weaver   Meat. etc   20.		do	Blowpipe, etc	22. 15 20. 60
Apr. 2 Louis Hartig Files	27	Ralph S Weaver	Meat, etc	20.89
Apr. 2 Louis Hartig Files		R. P. Andrews & Co. (Incorporated)	Writing fluid	. 34
Apr. 2 Louis Hartig Files		Christian Becker	Weights	125.00
Apr. 2 Louis Hartig Files	21	Curtice Bros. Co	Canned goods	2 728 10
Apr. 2   Louis Hartig	51		Steller (es	
Total Company   Total Compan			Tayla	
High Relly   Glass   Class	Apr. 2	Louis Hartig	Hide powder	3.08 6.20
High Relly   Glass   C. Schafer & Co   Church & Stephenson   Lumber   19.	7	Rudolph West & Co	Hardware etc	8.67
Church & Stephenson	13	Hugh Reilly	(Tlass	. 87
Church & Stephenson		E. G. Schafer & Co	Packing and pipe	5. 2
M. Du Perow   Soda   4   4   4   4   4   4   4   4   4		Church & Stanhanson	Lumber	19.69
Wm.B. Alwood   Salary   Output	1.4	M. Du Perow	Electric bell	. 50
Wm.B. Alwood   Salary   Output	14	do		2.16
J. Harrison Johnson & Son   Salary   50.		Wm. B. Alwood	Salary	50.00
J. Harrison Johnson & Son   Salary   50.		Capital Traction Co.	Fare tickets	5.00
J. Harrison Johnson & Son   Salary   50.		Susan J. Beveridge	Rent	20.00
J. Harrison Johnson & Son   Salary   50.		Ino C Parker	Lahels	13.9
17	16	The Baker & Adamson Chemical Co	Chemicals	17.3
W. B. Moses & Sons		J. Harrison Johnson & Son	Rent	208.3
W. B. Moses & Sons	17	J. A. Hummel	Salary	50.00
W. B. Moses & Sons		do	Lead nine	6.9
Dulin & Martin Co		W B Moses & Sons	Chair seats	3.50
E. Morrison Paper Co		Dulin & Martin Co	Crocks	1.03
E. Morrison Paper Co		Jas. B. Lambie	Tapers	12.28
E. Morrison Paper Co		F W Rolgiano & Co		10. 68
Z. D. Gilman		Barber & Ross	One set of numbers	. 60
Z. D. Gilman		E. Morrison Paper Co	Pasteboard mailing tubes	1.20
American New Co		Hugh Reilly		. 35
All the color of		P F von Everen	Perforated summed numbers	4.50
Raiph T. Weaver   Meat, etc   30.0     Chas. H. Javins & Sons   do   22.3     H. J. Patterson   Butter   13.3     Rosslyn Packing Co   Meat, etc   39.0     Auguste Sandoz   Bread   17.5     Jno. H. McGruder   Groceries   15.6     The Ashburn Farm Dairy   Milk   11.2     Whitall Tatum Co   Vials   44.4     Eimer & Amend   Furnaces   48.5     -do   Condensers, etc   18.5     -do   Stand, etc   5.5     -323   Standard Oil Co   Oil, etc   1.0     -524   Z. D. Gilman   Chemicals   220.5     Jno. T. Springman   Grate bars, etc   12.6     Standard Oil Co   Oil, etc   1.5     American Writing Machine Co   Paper   4.6     Chemicals   220.5     Chemicals   220		American News Co.	Steel erasers	4.80
Raiph T. Weaver   Meat, etc   30.0     Chas. H. Javins & Sons   do   22.3     H. J. Patterson   Butter   13.3     H. W. Wiley   Expenses   24.4     Rosslyn Packing Co   Meat, etc   39.0     Auguste Sandoz   Bread   17.5     Jno. H. McGruder   Groceries   15.6     The Ashburn Farm Dairy   Milk   11.2     Whitall Tatum Co   Vials   44.4     Emer & Amend   Furnaces   48.5     -do   Condensers, etc   18.5     -do   Bottles, etc   10.0     -do   Stand, etc   5.7     -do   Standard Oil Co   Oil, etc   1.7     23 Standard Oil Co   Oil, etc   1.7     24 Will Durlin   Milk   35.5     30 J. K. Haywood et al   Salaries   2.445.5     4 Juno T. Springman   Grate bars, etc   12.0     5 Geo. F. Muth & Co   Oil, etc   1.7     6 Geo. F. Muth & Co   Oil, etc   1.7     7 Geo. F. Muth & Co   Oil, etc   1.7     8 Geo. F. Muth & Co   Oil, etc   1.7     9 Jas. B. Lambie   Micrometer, etc   11.5     10 The M. Lindsay Rubber Co   Paper   4.5     11 The M. Lindsay Rubber Co   Packing   7.7     12 Games   7.7     13 Games   7.7     14 Games   7.7     15 Geo. W. Knox Express Co   Transportation   5.7     16 Adams Express Co   Transportation   5.7     17 Adams Express Co   Transportation   5.7     18 Adams Express Co   Transportation   5.7     19 Adams Express Co   Transportation   5.7     10 Adams Express Co   Transportation   5.7     11 Adams Express Co   Transportation   5.7     12 Adams Express Co   Transportation   5.7     13 Adams Express Co   Transportation   5.7     14 Adams Express Co   Transportation   5.7     15 Adams Express Co   Transportation   5.7     16 Adams Express Co   Transportation   5.7     17 Adams Express Co   Transportation   5.7     18 Adams Express Co   Transportation   5.7     19 Adams Express Co   Transportation   5.7     10 Adams Express Co   Transportation   5.7     10 Adams Express Co   Transportation   5.7     11 Adams Express Co   Transportation   5.7     12 Adams Express Co   Transportation   5.7     13 Adams Express Co   Transportation   5.7     14 Adams Express Co   Transportation   5.7     15 Adams E		Parsons Bros	Paper	4.30
Chas.H. Javins & Sons   Go   23.     H. J. Patterson.   Butter   13.     Rosslyn Packing Co   Meat. etc   39.     Auguste Sandoz.   Bread   17.     Jno. H. McGruder   Groceries   15.     The Ashburn Farm Dairy   Milk   11.     21 Whitall Tatum Co   Vials   44.     Emer & Amend   Furnaces   48.     - do   Condensers, etc   18.     - do   Bottles, etc   10.     - do   Standard Oil Co   Oil, etc   1.     27 Edw. M. Durlin   Milk   35.     30 J. K. Haywood et al   Salaries   2,475.     43 Z. D. Gilman   Chemicals   220.     22 J. D. T. Springman   Grate bars, etc   12.     44 S.     45 Geo. F. Muth & Co   Oil, etc   1.     46 Geo. F. Muth & Co   Oil, etc   4.     47 Fine Geo. W. Knox Express Co   Transportation   5.     Jas. B. Lambie   Micrometer, etc   11.     The M. Lindsay Rubber Co   Paper   4.     Fred A. Schmidt   Paper, etc   3.     Adams Express Co   Transportation   5.     Adams Express Co   Transportation	10	Arthur H. Thomas Co	Forceps, etc	3. 30 20. 0
H. J. Patterson.   Butter   13.2	10	Chas H Javins & Sons	do	23.80
20   H. W. Wiley		H. J. Patterson	Butter	13. 20
The first of the	50	H. W. Wiley	Expenses	24.6
Elmer & Amend		Rosslyn Packing Co	Meat. etc.	39.47
The first of the		Ino H McGruder	Groceries	15.00
The first of the		The Ashburn Farm Dairy		11. 88
-do	21	Whitall Tatum Co	Vials	44.15
-do		Eimer & Amend	Furnaces	48.72
27   Edw. M. Durlin   Milk   35.		do	Condensers, etc	10.00
27   Edw. M. Durlin   Milk   35.		do	Stand etc	5.77
27   Edw. M. Durlin   Milk   35.	23		Oil, etc	1.9
The M. Lindsay Rubber Co         Packing           Fred A. Schmidt         Paper, etc         3.           Washington Gaslight Co         Gas         57.           Adams Express Co         Transportation         1.           Mackall Bros         Chemicals, etc         58.           do         05.	27	Edw. M. Durlin	Milk	35.4
The M. Lindsay Rubber Co         Packing         9           Fred A. Schmidt         Paper, etc         3.           Washington Gaslight Co         Gas         57.           Adams Express Co         Transportation         1.           Mackall Bros         Chemicals, etc         58.           do         05.		J.K. Haywood et al.	Salaries	2,475.5
The M. Lindsay Rubber Co         Packing         9           Fred A. Schmidt         Paper, etc         3.           Washington Gaslight Co         Gas         57.           Adams Express Co         Transportation         1.           Mackall Bros         Chemicals, etc         58.           do         05.	ady a	Jno. T. Springman	Grate bars, etc	12.00
The M. Lindsay Rubber Co         Packing           Fred A. Schmidt         Paper, etc         3.           Washington Gaslight Co         Gas         57.           Adams Express Co         Transportation         1.           Mackall Bros         Chemicals, etc         58.           do         05.	.8	Densmore Typewriter Co	Card attachments	7.50
The M. Lindsay Rubber Co         Packing           Fred A. Schmidt         Paper, etc         3.           Washington Gaslight Co         Gas         57.           Adams Express Co         Transportation         1.           Mackall Bros         Chemicals, etc         58.           do         05.		Geo. F. Muth & Co.	Oil, etc	4.6
The M. Lindsay Rubber Co         Packing           Fred A. Schmidt         Paper, etc         3.           Washington Gaslight Co         Gas         57.           Adams Express Co         Transportation         1.           Mackall Bros         Chemicals, etc         58.           do         05.		The Geo W Knoy Express Co	Paper Transportation	4.44
The M. Lindsay Rubber Co         Packing         9           Fred A. Schmidt         Paper, etc         3.           Washington Gaslight Co         Gas         57.           Adams Express Co         Transportation         1.           Mackall Bros         Chemicals, etc         58.           do         05.		Jas. B. Lambie	Micrometer, etc	11. 79
Washington Casignt Co.   Gas   54.5     Adams Express Co.   Transportation   1.6     Mackall Bros   Chemicals, etc   58.5     do   65.5		The M. Lindsay Rubber Co	Packing	. 30
Washington Casignt Co.   Gas   54.5     Adams Express Co.   Transportation   1.6     Mackall Bros   Chemicals, etc   58.5     do   65.5		Fred A. Schmidt	Paper, etc	3. 2
		Washington Gaslight Co.	(†as	54.50
		Mackall Bros	Chemicals etc	1.6
Hugh Reilly Glass 2.8			dodo	95.83
Potomac Electric Paper Co Electric current 20.1		Hugh Reilly Potomac Electric Paper Co	Glass	2, 80 20, 18

Date.	Name.	Nature of payment.	Total.
1902.			
May 8	Rudolph West & Co. The Hammond Typewriter Co. Thos. Somerville & Sons. Woodward & Lathrop	Hinges, etc.	\$0.7
	The Hammond Typewriter Co	Shuttle etc	2. 6 2. 7 21. 6
	Thos. Somerville & Sons	Valves, etc	2.7
0	Woodward & Lathrop	Valves, etc Chairs, etc Laundry work	21.6
9	J. D. Frazee H. W. Wiley Eimer & Amend do	Laundry work	16.2
13 15	Eimer & Amend	Expenses Chemicals	15.7 $6.5$
10	do	Flasks, etc	33. 5
	do The American Distributing Co Curtice Bros. Co	Filter, etc	82.1
	The American Distributing Co	Chemicals Soap	38. 4 22. 0
	Curtice Bros. Co	Soap	22.0
	C. I. King	Tube	6. 5
	F. E. Singleton	Valve	1.2
	The Burnett Co	Gas generator Batteries	4. 0 6. 8
	Whitall Tatum & Co	Flasks, etc	27 7
16	C. I. King F. E. Singleton Kny Sheerer Co The Burnett Co Whitall, Tatum & Co. National Electrical Supply Co Wyckoff, Seamans & Benedict American Writing Machine Co. Chas. Becker	Cable, etc	27. 7 9. (
	Wyckoff, Seamans & Benedict	Cable, etc Paper	4. 7 22. 8
	American Writing Machine Co		22.
	Chas. Becker	White lead	2.8 9.8
	Thos. Somerville & Sons	Nipples, etc	9.9
	F Marrison Papar Co	White lead Nipples, etc Valves, etc Corrugated board	30.8
	do	Book cover	4.0
	Jas. B. Lambie	Screws	1.(
	Fred A. Schmidt	Pens, etc	. 6
	American Writing Machine Co. Chas. Becker Thos. Somerville & Sonsdo E. Morrison Paper CodoJas. B. Lambie Fred A. SchmidtdoTruels	Rubber covers	1. 1
	E. J. Lewis E. G. Schafer & Co Z. D. Gilman	Oxygen Pipe, etc	10.0
	E.G. Schafer & Co	Pipe, etc	42.2
	Z. D. Gilman	Asbestos Flasks, etc Stoppers, etc Meat chopper	47.8 140.4
	do	Stonners etc	65.5
	do Dulin & Martin Co	Meat chopper	65. 2 3. 2
	J. Harrison Johnson & Son	Rent	208.7
18	J. Harrison Johnson & Son The Veeder Manufacturing Co. The Baker & Adamson Chemical Co.	Rent Counters Lead	3. ( 5. 2
	The Baker & Adamson Chemical Co	Lead	5. 2
	F. E. Singleton	(faskets	5.0
	The Baket & Adamson Chemical Co. F. E. Singleton L. L. Van Slyke Wm. B. Alwood H. J. Patterson Chas. H. Javins & Sons	Salarydo	50.0 50.0
21	H I Pattarson	Ruttop	13. 2
14.1	Chas H Javins & Sons	Chickens, etc	14. 9
	Edw. M. Durlin	Milk Potatoes	34.
	G. G. Cornwell & Son	Potatoes	40.8
	Chas. H. Javins & Sons Edw. M. Durlin G. G. Cornwell & Son Rosslyn Packing Co Auguste Sandoz J. A. Magruder Wm. Frear Blue Line Transfer Co Susan J. Beveridge J. K. Haywood M. A. Scovell H. A. Weber	Meat, etc	74.3
	Auguste Sandoz	Bread'	16.0
26	J. A. Magruder	Groceries Salary Transportation	26.9 25.0
20	Rlue Line Transfer Co	Transportation	20.0
	Susan J. Beveridge	Rent Expenses Traveling expenses	25. (
27	J. K. Havwood	Expenses	20.0
	M. A. Scovell	Traveling expenses	61.
	H.A. Weber	Salary do Paragon ribbons	25.
00	Edw. H. Jenkins	do	25.0 1.3
29	M. A. Scovell H. A. Weber Edw. H. Jenkins Wyckoff, Seamans & Benedict United States Express Co Capital Traction Co. M. Du Perow J. K. Haywood et al Library Rusean	Paragon ribbons	65.
	Capital Traction Co	Fare tickets	5.0
	M. Du Perow	Switch	
31	J. K. Haywood et al	Switch Salaries	2 742 9
June 5	Library Bureau	Cards Chemicals Gas	26. 3 1. 3 60. 9
	Merck & Co.  Washington Gaslight Co.  Potomac Electric Power Co.	Chemicals	1.3
9	Washington Gaslight Co	Gas	60.9
	Potomac Electric Power Co	Current	11.8
	Wyckoff Seamans & Randiet	Service	6.5 8.0
	F W Bolgiano & Co	Cotton hags	6.0
	H. W. Wiley	Chairs, etc Cotton bags Traveling expenses Rent	14.2
	J. Harrison Johnson & Son	Rent	208. 8
10	Washington (fashight Co.) Potomac Electric Power Co. The Chesapeake and Potomac Telephone Co. Wyckoff, Seamans & Benedict. F. W. Bolgiano & Co. H. W. Wiley J. Harrison Johnson & Son. F. P. May & Co. M. Du Perow.	Nails, etc Knife switch	1.5
	M. Du Perow	Knife switch	
12	F.P. May & Co M. Du Perow Wm. B. Alwood Edw. H. Jenkins Wm. Frear H. A. Weber Hugh Reilly Rudolph West & Co. Woodward & Lothrop H. W. Wiley	Salary Traveling expensesdo	50.0
11	Edw. fl. Jenkins Wm Freer	Traveling expenses	24.8 45.7
	H A Weber	do	45. 57.
12	Hugh Reilly	Glass	1.8
714	Rudolph West & Co.	Chest locks	. 4
	Woodward & Lothrop	Soap, etc.	8.8
13	H. W. Wiley  do  J. D. Frazee	Glass Chest locks Soap, etc Expenses	5.4
	do	do Laundry work Chemicals, etc	15.4
4 10	J.D. Frazee	Laundry work	5.
17	Eimer & Amend	Unemicals, etc	47.

## Expenditures of Department of Agriculture for year ending June 30, 1903—Cont'd. LABORATORY—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
une 17	Eimer & Amend Whitall Tatum Co	Chemicals, etc	\$2. 10.
	Whitall Tatum Co	Flint do	10.
	do	Case etc	4. 6.
			1.
	J. P. Nawrath Wolf Bros Jno. Lucas & Co Houghton & Delano. Auguste Sandoz Chas. H. Javins & Sons J. E. Thompson Edw. M. Dulin	Envelopes	3. 4.
19	Jno. Lucas & Co	Cans	4.
22	Augusto Sandoz	Plates	1,
	Chas. H. Javins & Sons	Bread Chickens	13. 18.
	J. E. Thompson	Sugar, etc. Milk and cream	8.
	Edw. M. Dulin		31.
23	Rosslyn Packing Co	Meat, etcValves, etc	53. 8.
20	00 -	do	40.
	do Mackall Bros	Lead pipe, etc.	84.
	Mackall Bros	do Lead pipe, etc. Chemicals	75.
	do Z. D. Gilman do	do Powdered opium Funnels, etc	95.
	Z.D. Gilman	Funnels etc	38. 87.
	do	do l	133.
	E. G. Schafer & Co	Galvanized pine	4. 10.
	do Hugh Reilly	do	· 10.
	Hugh Reilly	Gaslights	0
	M Du Porow	Pencils Electric supplies	9. 2. 9.
	M. Du Perow Potomac Electric Power Co E. Morrison Paper Co	Electric supplies Electric current	9.
	E. Morrison Paper Co	lags	8.
	Isaac A. Sheppard & Co. The Zanesville Stoneware Co.	Castings Burner shields	36.
	The Zanesville Stoneware Co	Burner shields	2 49
	The Okonite Co. (Limited)	Refrigerator Wire	29.
	The Zanesvine Stoneware Co. Nelson Refrigerator Co. The Okonite Co. (Limited). The American Distributing Co. The Randolph Paper Box Co. Whitall Tatum & Co. Eimer & Amend	Spirits	38.
	The Randolph Paper Box Co	Boxes	22.
	Whitall, Tatum & Co	Test tubes Tannometer, etc Batteries	2. 15.
	Elmer & Amend	Tannometer, etc	15. 2.
	The Paddock Cork Co	Corks	20.
	Ermer & Amend The Burnett Co. The Paddock Cork Co. Evans & Sons (Limited) James B. Lambie Rudolph, West & Co The C. J. McCubbin Co S. Kann, Sons & Co	Fly catcher	3.
	James B. Lambie	Fly catcher Wire, etc	b.
	Rudolph, West & Co	Nails, etc.	20
	S Vann Sone & Co	Sink cocks Screens	26. 22. 3.
	F. P. May & Co	Spatulas	3.
	F. P. May & Co . Standard Oil Co	Gasoline	8.
	Fred. A. Schmidt Jno. H. Magruder	Paper Groceries	4.
	Jno. H. Magruder	Groceries	20. 10.
	Edw. M. Dulin H. J. Patterson Curtice Bros. Co Western Union Telegraph Co Susan J. Beveridge Southern Rwy. Co O. G. Parcell	Milk, etc Butter	10.
	Curtice Bros. Co	Pease	12. 12.
	Western Union Telegraph Co	Service Rent Passenger transportation	4.
۵۲	Susan J. Beveridge	Rent	25. 37.
25	C. C. Pursell	Passenger transportation	37
	Washington Gaslight Co	Blackboard Gas	1. 57.
30	Washington Gaslight Co J. K. Haywood, et al	Salaries	2,774
	Total, fourth quarter		12,691
	Supplemental.		
ly 7	R. P. Clarke & Co	Toweling Chemicals	9.
	E. J. Lewis	Chemicals	10.
	W.B. AlWood	Salary	50.
11	M. F. Clarke & Co E. J. Lewis W. B. Alwood Capital Traction Co H. W. Wiley P. H. Grimes	Car tickets	5. 48.
	P. H. Grimes	Repairing tube, etc.	2
10	W OOGPHIT Manniacturing Co	Apparatus etc	275 275 2 7
13	The Gorham Co	Medal for award at exposition	2
	E. J. Pullman	Lumber	1.
	E. Morrison Paper Co	PlatesLedger	3.
	Church & Stephenson  E. J. Pullman  E. Morrison Paper Co  S. Kann, Sons & Co  M. G. Copeland Co  Fred. A. Schmidt  G. E. Patrick	Ledger Screens	18.
	M. G. Copeland Co	Awnings Paper Expenses Apparatus	17
1.6	Fred. A. Schmidt	Paper	
14 15	G. E. Patrick A. Krüss	Expenses	9.
10	Their J Chata Thomas C	Apparatus	191.
	Library Bureau The Baker & Adamson Chemical Co W. B. Moses & Sons	Envelopes Cards	10.
	The Baker & Adamson Chemical Co	Acid Chairs	6.
16			7.

## $Expenditures of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1903-{\bf Cont'd.}$

Date.	Name.	Nature of payment.	Total
	Supplemental—Continued.		
1903.	mi - C - W W F C-	There are a second of the second	00
uly 16	The Geo. W. Knox Express Co. Thos. Somerville & Sons	TransportationPlugs	\$0. 19.
	Z I) (‡ilman	Thirbins	26
	J. T. Walker Sons Mackall Bros Whitall Tatum Co	Sand	1
20	Mackall Bros	Sand Chemicals	1 54
	Whitall Tatum Co.	Test tubes	1
	whitan Tatum Co. do The Hammond Typewriter Co. Eimer & Amend. Rosslyn Packing Co. J. H. Magruder C. H. Javins & Sons J. H. Johnson & Sons	Vials Copying ribbon Chemicals	28
	Eimer & Amend	Chemicals	1
	Rosslyn Packing Co	Meat, etc.	63
	J. H. Magruder	Groceries Chickens, etc	13
	C. H. Javins & Sons	Chickens, etc	2 208
21	U. H. Javins of Sons Woodruff Manufacturing Co Rudolph, West & Co Richards & Co H. J. Patterson E. J. Pullman Houghton & Delano	Rent	208
61	Rudolph West & Co	Tables, etc Pomade Crucibles	243
22	Richards & Co	Crucibles	40
23	H. J. Patterson	Butter	9
24	E. J. Pullman	Plates, etc	3
	Houghton & Delano	do	12
95	Augusta Sandaz	Broad	$\frac{6}{12}$
25 28 29	J. C. Parker Auguste Sandez Library Bureau	Section stack	91
29	W D Bigelow	riates, etcdo Toilet paper Bread Section stack Traveling expenses Expenses Braning telephones	38 17 7
	do	Expenses	17
	do National Electric Supply Co The Chesapeake and Potomac Telephone Co		7
	Potomac Floatria Power Co	Telephone service	6
	The Chesapeake and rotomac Telephone Co Potomac Electric Power Co Washington Gaslight Co Eimer & Amend do Louis Smith Church & Stephenson J. K. Haywood	Gas	8 63
	Eimer & Amend	Tube brushes etc	5
	do	Chemicals Removing waste Lumber	26
	Louis Smith	Removing waste	73
77 CT 1	Church & Stephenson	Lumber	13
ug. 1	do. A. Hay wood	Expenses Traveling expenses	1
4	J. S. Thompson	Milk and cream	19
	M. Du Perow	Fan	64
12	do J. S. Thompson M. Du Perow Thos. Somerville & Sons	Wrench	4
14	Bishop Art Co	Photographic supplies Rent	2
15	Bishop Art Co Susan J. Beveridge Rudolph, West & Co	Cupboard turns, etc.	$\frac{25}{1}$
10	do Adams Express Co Z. D. Gilman A. A. Winfield	Drawer pulls, etc	15
	Adams Express Co	Drawer pulls, etc. Transportation Filters Bon Ami	15 90
	Z. D. Gilman	Filters	1
	A. A. Winfield	Bon Ami	27
	Hugh Reilly Wm. Somerville & Sons.		25
	James B. Lambie	Pipe, etc Leather belting, etc Ice, etc Funnels	12
17	Manning, Maxwell & Moore	Ice, etc	4
	Whitall, Tatum & Co	Funnels	3
7.0	Apfel-Murdock Co	Replica	3
18	woodward & Lothrop	Châir	5
	James B. Lamble Manning, Maxwell & Moore Whitall, Tatum & Co Apfel-Murdock Co Woodward & Lothrop do Louis Hartig Z. D. Gilman do	Soap, etc Files, etc	28
	Z. D. Gilman	Flasks, etc	265
	do Arthur H. Thomas Co	Flasks, etc Filters, etc. Apparatus Tubing	194
19	Arthur H. Thomas Co.	Apparatus	185
	Vayman & Frhe Manufacturing Co	Cornice, etc	48
20	Yawman & Erbe Manufacturing Co G.G. Cornwell & Son F.P. Veitch	Cans. pears	48
24	F. P. Veitch	Cans, pears Traveling expenses	10
25	Z. D. Frazee Eimer & Amend J. B. Espey	Laundering	8
	Eimer & Amend	Flasks Screws, etc	18 18
ept. 9 10		Chamianle	48
11	American Name Plate Co	Chemicals	60
	The J. L. Mott Iron Works	Cinly oto	36
12	Maccan Bros American Name Plate Co The J. L. Mott Iron Works. W. H. Dyer. Western Union Telegraph Co	Case for apparatus Telegraph service Transportation	43
18	Western Union Telegraph Co	Telegraph service	6 13
19	New York, New Haven and Hartford R. R. Co.	Transportation	13
et. 10	The Geo. W. Knox Express Co.	do	3
12	The Geo. W. Knox Express Co. S. Kann, Sons & Co. United States Express Co.	do	1
14	United States Express Co	Transportation	44
21	Eimer & Amend	Flasks	6
23	General Electric Co	Coils, etc	4
	Eimer & Amend General Electric Co B. F. Starr & Co Skabcura Dip Co	Bolting cloth Aphis punk	3
	on source of the contraction of	Tipins pana	
	Total		3,583

### RECAPITULATION.

First quarter	\$10, 263, 45
Second quarter	10,578,75
Third quarter	14,484.21
Fourth quarter	12,691.18
Supplemental	
FF	
Total	51,601,48

#### CANE SIRUP.

Date	е.	Name.	Nature of payment.	Total.
1902.				
July 3	31	G. L. Spencer, et al	Salaries	\$163.0
Aug.	12	do	Traveling expensesdo	17.00 73.29
	19	D. G. Purse	Salary	51.6
		do	Traveling expenses	12.8
:	30	do	Salary	100.00
Sept.	5	G. L. Spencer E. R. Squibbs & Sons Improved Mailing Case Co	Litmus	168.56 3.38
эери.	9	Improved Mailing Case Co.	Cases, etc	45.50
	8	Ralph Hoagland Z. D. Gilman W. E. Mathewson	Salary Flasks	51.6
	11 17	Z. D. Gilman	Flasks	5.76 $51.6$
	11	do	Salary Traveling expenses	4.6
		do Ralph Hoagland Eimer & Amend Whitall, Tatum & Co G. L. Spencer	Hydrometers	3.4
		Eimer & Amend	Hydrometers	15.00
	30	Whitall, Tatum & Co	Boxes Salary	14. 50 163. 0
	90	G.L. Spencer	Salary	105.0
		Total, first quarter		944.7
Oct.	1	R. N. Stunt	Evaporator	47.0
000,	2	Ervin E. Hudson	Salary	37.5
		D. G. Purse	do	100.0
		Roy D. Stubbs	do	37.5
	4 9	Ralph Hoadland	Sugar Salary	1.3 100.0
		Thos, Bragg	do	37.5
	16	Birch & Co Ralph Hoagland Thos, Bragg Perkins Windmill and Ax Co	Tanks	53.5
		00	ao	20.30
		Whitall, Tatum & Co Roy D. Stubbs	Pipettes Traveling expenses	15.1: 4.5
			Solony	100.0
		The G. L. Squier Manufacturing Co- Wright Manufacturing Co- Joseph Mathy W. L. Dunham	Salary Pump	44.1
		Wright Manufacturing Co	Traps Cylinders	38.0 3.0
		W. L. Dunham	Castings	3.0
	17	2. D. (†111nan	Thermometers	9.7
	20	do Ralph Hoagland	do	15.6
	20	Kaiph Hoagiand	Traveling expensesdo	15. 4 1. 9
	23	Jas. Mathy	Clamps	1.5
		Helios Upton Co	Thermometers	5.5
	0.4	Densmore Bros.	Evaporators	320.0
	24 25	Harold A. Ives The Geo. L. Squier Manufacturing Co J. H. Edwards	Salary Pump	37.5 9.4
		J. H. Edwards	Tanks	60.0
		Provident Chemical Works	Clariphos	5.0
	28	Jas. Oat & Sons	Coils	112.0
	31	G. L. Spencer et al	Balance Salaries	24. 0 220. 6
Nov.	1	Provident Chemical Works Jas. Oat & Sons Christian Becker G. L. Spencer et al Ralph Hoagland E. G. Schafer & Co. Chas G. Stott & Co The Geo. W. Knox Express Co Georgia Supply Co. Ray Davis Stubbs Ralph Hoagland Ralph Hoagland	Traveling expenses	11.7
	3	E. G. Schafer & Co	Tees, pipe, etc.	2. <del>4</del> 2. 0
	4	Chas. G. Stott & Co.	Tees, pipe, etc Parafin paper Transportation	2.0 14.4
	*	Georgia Supply Co	Fittings	43.3
		Ray Davis Stubbs	Salarydo	75.0
				100.0
		J. M. Starr D. G. Purse	do	75.0 100.0
		Thos. Bragg	do	75.0
	6	Harold A. Ives	do	75.0
		Harold A. Ives Erwin E. Hudson Improved Mailing Case Co	do	75.0
	8	W. E. Mathewson	Cases, etc	8, 6 100, 0
	13	Thos. Somerville	Salary Brass unions	26.6
	17	J. R. Collins	Seed hags	21.7
		Georgia Supply Co Ervin E. Hudson Improved Mailing Case Co	Apparatus Traveling expenses	35.3
	20	Ervin E. Hudson	Traveling expenses	15.4
	WU	improved maining case co	Bottles and corks	2.3

### $Expenditures of \ Department \ of \ Agriculture \ for \ year ending \ June \ 30, 1903-{\bf Cont'd}.$ CANE SIRUP—Continued.

Date.	Name.	Nature of payment.	Total.
1902.			
Vov. 21	Thos. Somerville & Son Jas. T. Wells Edw. Lovell Sons Dulin & Martin Co G. L. Spencer et al. do R. N. Strut	Pumps Apparatus do Pans	\$16.
22	Jas. T. Wells	Apparatus	44.
29	Edw. Lovell Sons	Pons	8. 5.
20	G. L. Spencer et al	Salaries	300.
Dec. 2	do	Salaries Traveling expenses	73.
	R. N. Stunt G. L. Spencer W. E. Mathewson D. G. Purse Thos. Bragg	Sulphur Expenses Salary do	62.
5	G. L. Spencer	Expenses	33.
. 8	W.E. Mathewson	Salary	50.
	Thos Regge	do	100. 75.
	J. M. Star	do	75.
	J. M. Star Whitall Tatum Co	Bottles Traveling expenses	75. 18.
	D.G. Purse J.T. Starr	. Traveling expenses	3.
11	J. T. Starr	do	6.
11	Ray D. Stubbs Jas. Simmons	Salary	75. 3.
	H A ITOS	Coloary	5. 75.
	Ervin E. Hudson	Salarydo	75.
	Ralph Hoagland	do	100.
12	H. W. Wiley	Chisels, etc	3.
	Ervin E. Hudson. Ralph Hoagland H. W. Wiley Geo, M. Newhall Engraving Co	Castings, etc	147.
16	W.E. Mathewson	Traveling expenses	30. 50.
17	Geo, M. Newman Engraving Co W. E. Mathewson Jas T. Wells Ray Davis Stubbs Ervin E. Hudson H. A. Ives	Castings, etc Traveling expensesdo Lumber, etc Salarydododo	50. 25.
18	Par Davie Stubbe	Solory	36
10	Ervin E. Hudson	do	36. 36.
	H. A. Ives	do	36.
	Ralph Hoagland Georgia Supply Co Ralph Hoagland	do	48.
	Georgia Supply Co	Valves, tees, etc	15. 12.
	Mackall Bros	do Valves, tees, etc Expenses. Citric acid	12.
31	G. L. Spencer et al	Salary	309.
01		Stellary	
	Total second quarter	=======================================	4,303.
1903.	T (F) TXT-11-1	Ct Cttin	48.
an. 5	Jas. T. Wells	Steam fittings Sugar cane	45.
3	do Jas B. Lambie D. G. Purse Thos. Somerville & Sons	Brass tubings	3.
9	D. G. Purse	Brass tubings Salary Washers	100. 7.
12	Thos. Somerville & Sons	Washers	7.
		Traveling expenses	59.
15	Solomons Co. American Can Co. W. E. Mathewson.	Traveling expenses Sulphur Pails and cans Traveling expenses	2. 46.
	W E Mothewson	Traveling expenses	17
		dodo	17. 6.
	Ray Davis Stubbs	Expenses	35
	do	do Expenses Traveling expenses	4.
04	Ralph Hoagland	Pipe	13.
21 22	E. G. Schaler & Co.	Pipe	1. 19.
66	H.A.Ives Ray Davis Stubbs	Expenses Pay roll	14.
		Salary	75.
			30.
0.1	Harold A. Ives	Salary Traveling expenses Expenses Passenger transportation do do Salary Salary	9.
- 24 26	Washington Southern Kwy. Co.	Passenger transportation	32. 14.
27	Atlantic Coast Line R. R. Co	do	4.
29	Geo. E. Walker	Salary	75.
31	Ervin E. Hudson Harold A. Ives Washington Southern Rwy. Co. Central of Georgia Rwy. Co. Atlantic Coast Line R. R. Co. Geo. E. Walker Arthur Given et al D. G. Purse Thos. Bragg J. M. Starr	Salaries Salary	112.
eb. 2 3	D. G. Purse	Salary	100.
3	Thos. Bragg	do	111.
	J. M. Starr	do Traveling expenses Transportation Passenger transportation	2. 11.
12		Passenger transportation	8.
	The South Georgia Rwy Co	T TOOL TO THE TOO TO THE TOTAL	129.
19	The South Georgia Rwy. Co Jas. T. Wells	Sirup	
19 25 28	The South Georgia Rwy. Co Jas. T. Wells Arthur Given et al	Sirup Salaries	77.
19 25 28 Iar. 5	The South Georgia Rwy. Co Jas. T. Wells Arthur Given et al The Geo. W. Knox Express Co	Sirup Salaries Transportation	77.
19 25 28 Iar. 5	The South Georgia Rwy. Co Jas. T. Wells Arthur Given et al The Geo. W. Knox Express Co. D. G. Purse	Sirup Salaries Transportation Salary	77. 12. 100.
19 25 28 Iar. 5 12	The South Georgia Rwy. Co Jas. T. Wells Arthur Given et al The Geo. W. Knox Express Co. D. G. Purse Thos. Bragg.	Sirup Salaries Salaries Transportation Salary Traveling expenses	77. 12. 100. 26.
19 25 28 Iar. 5	Thos. Bragg J. M. Starr Adams Express Co The South Georgia Rwy. Co Jas. T. Wells Arthur Given et al The Geo. W. Knox Express Co D. G. Purse Thos. Bragg Dulin & Martin Co Arthur Given et al	Sirup Salaries Transportation Salary Traveling expenses Pans Salaries	77. 12. 100. 26. 1.
19 25 28 Iar. 5 12	The South Georgia Rwy. Co Jas. T. Wells Arthur Given et al The Geo. W. Knox Express Co. D. G. Purse Thos. Bragg Dulin & Martin Co Arthur Given et al  Total third quarter	Salaries Transportation Salary Traveling expenses Pans. Salaries	77. 12. 100. 26. 1. 112.
19 25 28 1ar. 5 12 14 23 31	Total third quarter	Salaries Transportation Salary Traveling expenses Pans Salaries	77. 12. 100. 26. 1. 112. 1,499.
19 25 28 Iar. 5 12		Salaries Transportation Salary Traveling expenses Pans. Salaries  Traveling expenses	77. 12. 100. 26. 1. 112.

#### CANE SIRUP—Continued.

Date.	Name.	Nature of payment.	Total.
1903. Apr. 30 May 4 8 15 June 10 23 30	Arthur Given et al D. G. Purse United States Express Co D. G. Purse do Arthur Given et al D. G. Purse Savannah Guano Co Arthur Given et al	Traveling expenses do Salaries Salary Chemicals	\$109. 20 100. 00 17. 26 5. 60 26. 85 111. 60 100. 00 19.02 109. 20
July 1 9 20 21 28 Aug. 15 Sept. 3 Oct. 10	Total fourth quarter  Supplemental.  D. G. Purse W. B. Roddenbery D. G. Purse W. B. Roddenbery D. G. Purse Adams Express Co D. G. Purse Postal Telegraph Cable Co	Salary Expenses Traveling expenses Salary Labor, etc	801. 08 100. 00 42. 26 22. 30 200. 00 9. 00 71. 05 11. 40 1. 30 457. 31

### RECAPITULATION.

First quarter	\$944.70
Second quarter	4.303.62
Third quarter	1,499,38
Fourthquarter	801.08
Supplement	457.31
- Control of the cont	

#### SOILS INVESTIGATIONS.

Date.	Name.	Nature of payment.	Total
Date.  1902. July 17 23 24 25 29  Aug. 1	Name.  Washington Rwy. and Electric Co	Car tickets Kalsomining Repairs to alidade Wire Paper and cloth Boxes, etc Buzzers Fans Salaries Salary do	\$3.00 15.00 1.00 72 5.50 91.00 96.50 1.561.70 151.60 126.40 117.90 101.10 101.10 101.10 101.10
	Herman Schmidt Wm. H. Knox Frank Bennett, jr Thos. D. Rice W. E. Hearn G. B. Jones Louis Mesmer	do	100.00 84.20 84.20 84.20 84.20 84.20 84.20 84.20 84.20 84.20 84.20 84.20 84.20 75.80 70.80 70.80 70.80

e.	Name.	Nature of payment.
2.		
1	W. W. Cobey	Salary
	W. W. Cobey Edwin C. McDuffie Louis W. Ayer Harry Rich M. F. Miller A. T. Strahorn Albert S. Root Lus L. Burgass	do
	Louis W. Ayer	do
	Harry Rich	
	A T Strahorn	do
	Albert S. Root	do
	Albert S. Roots Jas. L. Burgess. Alfredo M. Sanchez A. W. Mangum Wm. T. Carter, jr Thos. A. Caine Willie E. McLendon Chas. W. Ely	do
	Alfredo M. Sanchez	do
	A. W. Mangum	do
	Wm. T. Carter, jr	do
	Thos. A. Caine	do
	Ches W Fly	do
	Boscoe H Shaw	do
	Roscoe H. Shaw A. H. Snyder Oswald Schreiner	do
	Oswald Schreiner	do
	R. D. Hall	do
	A. Wade	do
	Geo. H. Failyer	- do
	Fredk. Carl	do
	W H Dyon	Power
	R. D. Hall A. Wade Geo. H. Failyer Fredk. Carl Jas. S. Topham W. H. Dyer Lyman J. Briggs Milton Whitney Wolf Bros Saml. F. Bagg R. E. B. McKenney R. C. M. Burton & Son Z. D. Gilman Elmer O. Fippin Jay A. Bonsteel Geo. N. Coffee Geo. B. Massie Chas. R. Edmonston	Traveling expenses
	Milton Whitney	do
	Wolf Bros	Envelopes
	Saml, F. Bagg	Brick, etc
3	R. E. B. McKenney	Traveling expenses
	R. C. M. Burton & Son	Awnings
	Z. D. Gilman	Jars
	Ing A Ronstool	Traveling expenses
	Geo N Coffee	do
	Geo. B. Massie	do
	Chas. R. Edmonston	Tubes, etc.
	J. E. Lapham	Traveling expenses
	W. P. Martin & Co	Paste
9	Houghton & Delano	Solio paper
	Forsberg & Murray	Hanger
	Chas. R. Edmonston J. E. Lapham W. P. Martin & Co Houghton & Delano Forsberg & Murray Fred. A. Schmidt do F. H. King W. B. Moses & Sons Dulin & Martin Co L. H. Shelfer W. G. Smith	do Tubes, etc. Traveling expenses Paste Solio paper Hanger Paper Crayons
	F H Ving	Crayons Traveling expenses
	W R Moses & Sons	Linoleum
	Dulin & Martin Co.	Linoleum Cans Trayeling expenses
	L. H. Shelfer	Traveling expenses
	W. G. Smith W. H. Hielman Louis Mesmer Chas, N. Mooney	do
	W.H. Hielman	- do
	Louis Mesmer	do
	Unas. N. Mooney	- do
	H. W. Marean Chas. A. Jensen W. E. Hearn	do
	W E Hearn	do
	Macey H. Lapham	do
	Macey H. Lapham F. W. Taylor	do
	Frank Bennett, jr Richards & Co United States Envelope Co	Dessicators
	Richards & Co	Dessicators
	United States Envelope Co	Envelopes Drawing board, etc
	W. & L. E. Gurley Wm. Roche	Cells.
	Eberhart Faber	Rands
	W. & L. E. Gurley	Tripod etc
	W. & L. E. Gurley Whitall Tatum Co	Tripod, etc Beakers, etc Glass rods
	do	Glass rods
	I Garnott Holmos	
	Mrs. Henry A. Cady Fredk. Carl	Bags
	Fredk, Carl	Parts for instruments
	do	Tubes
	Geo. F. Muth & Co.	Oil
	R.T.A. Burke Geo. T. McNess	Traveling expensesdo
	Herman Schmidt	Salary
	Inline Biow & Co	Mana
	Fred A. Schmidt. Washington Gas Light Co United States Electric Lighting Co Frank E. Honkins	Maps India ink, etc
	Washington Gas Light Co	Gas
	United States Electric Lighting Co	Current
	Frank E. Hopkins	Lighters Mailing tubes
	Frank E. Hepkins E. Morrison Paper Co The M. Lindsay Rubber Co R. Carter Ballantyne	Mailing tubes
	P. Cauton Pallantyma	Washers Tags Hooks
		LINYS

ate.	Name.	Nature of payment.
002.		
g. 26 27	Jno. C. Parker	Paste
27	Chas. R. Edmonston	Filter bougees Air chamber, valves, etc
	Chas R. Edmonston Thos Somerville & Sons C. S. Kesslers & Bros E. Morrison Paper Co R. P. Andrews & Co., Inc do Henry J. Green	Air chamber, valves, etc
	C.S. Kesslers & Bros	Bicycle pump. Copying paper Pencils
	E. Morrison Paper Co	Copying paper
	R. P. Andrews & Co., Inc	Pencils
	Honey I Groop	Thermometers
	Ougen & Co. Inc.	Weights
28	Queen & Co Inc. The M. Lindsay Rubber Co	Gaskets
20	Jas. N. Rupp	Ink
30	F. H. King, et al	Salaries
t. 2	Chas. A. Jensen	Salary
	Macy H. Lapham	do
	Edgar Buckingham	do
	J. O. Belz	do
	R. T. A. Burke	do
	Queen & Co. He. The M. Lindsay Rubber Co Jas. N. Rupp F. H. King, et al Chas. A. Jensen Macy H. Lapham Edgar Buckingham J. O. Belz R. T. A. Burke Elmer O. Fippen J. E. Lapham Henry J. Wilder Chas. N. Mooney Wm. H. Knox Fredk. W. Taylor Herbert W. Marean Frank Bennett, jr Thos. D. Rice W. E. Hearn G. B. Jones Louis Mesmer J. B. Stewart W. C. Palmer Roscoe H. Shaw O. Schreiner	do
	J. E. Lapham	do
	Henry J. Wilder	do
	Unas. N. Mooney	d0
	W.H. H. KIIOX	do
	Horbort W. Marcon	do
	Frank Ronnett in	do
	Thos D Rice	do
	W E Hearn	do
	G. B. Jones	do
	Louis Mesmer	do
	J. B. Stewart.	do
	W. C. Palmer	do
	Roscoe H. Shaw O. Schreiner R. D. Hall A. H. Prince	do
	O. Schreiner	do
	R. D. Hall	do
	A. H. Prince	do
	Harry Rich	do
	Louis W. Ayer	do
	A. H. Prince Harry Rich Louis W. Ayer Edwin C. McDuffie W. W. Cobey Fred E. Bonsteel N. P. Neill Henry Weinberg M. F. Miller A. T. Strahorn	do
	W. W. Cobey	do
	Fred E. Bonsteel	do
	N. P. Neill	do
	Henry Weinberg	do
	M. F. Miller	do
	A.T.Stranorn	00
	A. S. KOOU	do
	A M Complete	do
	A. M. Sanchez	do
	W T Carter in	do
	Chas W Ely	do
	W.E. McLendon	do
	M. F. Miller A. T. Strahorn A. S. Root Jas. L. Burgess A. M. Sanchez A. W. Mangum W. T. Carter, jr. Chas. W. Ely W. E. McLendon Geo. H. Failyer Thos. A. Caine Addison H. Snyder A. Wade Herbert L. Belden	do -
	Thos. A. Caine	do
	Addison H. Snyder	do
	A. Wade	do
	A. Wade Herbert L. Belden R. P. Andrews & Co. Inc Geo. B. Massey Geo. T. McNess	do Wrapping paper Salary do
	R. P. Andrews & Co., Inc.	Wrapping paper
3	Geo. B. Massey	Salary
	Geo. T. McNess	do
	Lawson H. Shelfer	do
	S. H. Davis & Co	Odometers
4	Milton Whitney	Traveling expenses
5	E.F. Vermillion	Inspecting boilers
	Geo. B. Massey	Traveling expenses
	Town A Ponetool	do
	W F Hoom	OD
	W. E. Hearli	do
	Lawson H Shelfor	do
	J. E. Lapham	do
6	Geo. B. Massey Geo. T. McNess Lawson H. Shelfer S. H. Davis & Co Milton Whitney E. F. Vermillion Geo. B. Massey Geo. N. Coffey Jay A. Bonsteel W. E. Hearn F. W. Taylor Lawson H. Shelfer J. E. Lapham Frank Bennett, jr Chas. A. Jensen W. G. Smith H. W. Marean Fred A. Schmidt J. Garnett Holmes	do
U	Chas A Jensen	do
	W G Smith	do
	H W Marean	do
	Fred A Schmidt	Pencils
	J. Garnett Holmes. Macy H. Lapham W. & L. E. Gurley Fredk. Carl	Traveling expenses
	Macy H. Lapham	do
	TIT O T TO O	Compass
8	W. & L E Gurley	

## $Expenditures \ of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1903 - \textbf{Cont'd}.$

Date.	Name.	Nature of payment.	Tota
1902.			
pt. 8	Fred A. Schmidt	Wax crayons	. 8
L	E.J. Pullman W.H. Heileman Houghton & Delano Louis Hartig	Plates	e
9	W. H. Heileman	Plates Traveling expenses	21
11	Houghton & Delano	Photo supplies Iron Wrenches Paint etc	1
	Louis Hartig Thos. Somerville & Sons Fred A. Schmidt Z. D. Gilman	Iron	
	Thos. Somerville & Sons	Wrenches.	1
	Z D Gilman	Paint, etc Flasks, etc Salary do	1 8
15	R. D. Hall	Salary	9
10	Oswald Schreiner	do	8
17	Oswald Schreiner Louis Mesmer		16
			16 15
	Standard Oil Co Elmer H. Catlin & Co Rudolpl, West & Co Whitall Tatum Co	Dynamo oil	
	Elmer H. Catlin & Co	Nickel plating	
	White II To term Co	Cotton waste	
	Kueffel & Fesov Co	Jars	1
18	Washington Southern Rwy Co	Slide rule Passenger transportation do	4
10	Texas and New Orleans R. R. Co	do	8
	Kueffel & Esser Co Washington Southern Rwy. Co. Texas and New Orleans R. R. Co New York, New Haven and Hartford R. R.	do	
	Co.		
	Pennsylvania R. R. Co	do	2
	New York Central and Hudson River R. R.	do	7
	Co.	The second of th	
	The Geo. W. Knox Express Co	Transportation	
19	F. H. King	Chemicals	11
10	do	Traveling expenses Expenses Traveling expenses	11 10
23	do R. T. A. Burke Wallace & Menchine	Traveling expenses	1 2
24	Wallace & Menchine	Asbestos paper	16
	Albert E. Acker Co.	Tube of gas	
	Albert E. Acker Co. Jno. C. Parker H. W. Marean	Eyelet machine Traveling expenses	1]
	H. W. Marean	Traveling expenses	11
	H. W. Marean Elmer O. Fippin Queen & Co., Inc Richards & Co The Pennsylvania R. R. Co Pittsburgh, Cincinnati, Chicago and St. Louis Rwy. Co. New York Central and Hudson River R. R.	do	1.1
	Queen & Co., Inc	Tubes	2
26	The Pennsylvenie P. P. Ce	Paggarger tuongraph tion	1
20	Pittsburgh Cincippati Chicago and St	do	1 8
	Louis Rwy. Co		
	New York Central and Hudson River R. R.	do	1
	Southern Rwy. Co.: Edgar Buckingham L. J. Briggs et al	do	200
30	Edgar Buckingham	Salary	ć
	L.J. Briggs et al	Salaries	1,22
	Total first quarter		18,72
			10, 12
t. 1	Wolf Bros	Envelopes	1
01 1	W. & L. E. Gurley	Plane tables	6
	Eimer & Amend	Chemicals	
	Henry J. Green	Thermometers	
	Merck & Co.	Chemicals	2
	Chas N. Massacre Co	Stove, etc	2
	Wolf Bros W. & L. E. Gurley Eimer & Amend Henry J. Green Merck & Co. Goldsboro Hardware Co Chas. N. Mooney. Addison H. Snyder A. Wade A. T. Strahorn A. S. Root Adolphus Williamson Wm. T. Carter, jr Chas. W. Ely Wm. E. McLendon Geo. H. Failyer H. L. Beldin Lewis W. Ayer Edw. C. McDuffie W. W. Cobey Fred E. Bonsteel N. P. Neill	do	4
	A Wade	do	5
	A. T. Strahorn	do	5
	A. S. Root	dodo	5
	Adolphus Williamson	do	3
	Wm. T. Carter, jr	do	ā
	Chas. W. Ely	do	5
	Wm. E. McLendon	do	5
	Geo. H. Failyer	do	5
	H. L. Belain	do	ê
	Edw C McDuffic	do	6
	W W Cobey	do	ě
	Fred E. Bonsteel	do	ě
	N. P. Neill	do	6
	N.P. Neill Henry Weinberg A.H. Prince	do	6
	A. H. Prince	do	6
			6
	W. C. Palmer	do	7 8
	J. B. Stewart	0D	8
	Jas. L. Burgess	do	8
			8
	A. M. Sanchez	do	0
	A. M. Sanchez Roscoe H. Shaw	do	8
	Harry Kich W. C. Palmer J. B. Stewart Jas. L. Burgess A. M. Sanchez Roscoe H. Shaw Louis Mesmer G. B. Jones W. E. Hearn	dodo	8

Date.	Name.	Nature of payment.	Total.
1902.	Thos, D. Rice Frank Bennett, jr Herbert W. Marean Fredk. W. Taylor Wm. H. Knox Thos. A. Caine Henry J. Wilder J. E. Lapham Elmer O. Fippin R. T. A. Burke J. O. Belz Chas, A. Jensen Lawson H. Shelfer Geo. T. McNess Geo. B. Massey Macy H. Lapham		
Oct. 1	Thos. D. Rice	Salary	\$81.60
	Frank Bennett, jr	do	81.60
	Herbert W. Marean	do	81.60 81.60 81.60
	Wm H Knoy	do	81.60
	Thos A Caine	do	81.60 92.61 97.80 97.80
	Henry J. Wilder	do	97.80
	J. E. Lapham	do	97.80
	Elmer Ö. Fippin	do	97.80 97.80 97.80
	R.T.A.Burke	do	97.80
	J. O. Belz	do	97.80
	Chas. A. Jensen	00	114, 20 122, 20
	Cas T. MaNaga	do	146. 80
	Goo P Massoy	do	146. 80
	Macy H Lapham	do	114.20
	Macy H. Lapham F. H. King Fredk. Carl Geo. T. McNess	do	326.00
3	Fredk, Carl	Tube, etc.	326.00 18.50
	Geo. T. McNess	Traveling expenses	241.39
4	Geo. T. McNess Geo. B. Massey L. E. Knott Apparatus Co Elmer O. Fippen W. G. Smith Macy H. Lapham J. A. Bonsteel Frank Bennett, jr W. H. Heileman W. E. Hearn J. E. Lapham L. H. Shelfer R. T. A. Burke	do	69, 65
6	L. E. Knott Apparatus Co	Wheel, etc	3.72 78.38
	Elmer O. Fippen	Traveling expenses	78.38
	W.G. Smith	do	132, 24 251, 88
	Macy H. Lapham	do	251. 8
7-	J.A. Bonsteel	do	116.3
1	W H Hojloman	do	91.3
	W E Hearn	do	137. 73 135. 13 102. 96
	I E Lapham	do	102.96
10	L. H. Shelfer.	do	60.30
10	R. T. A. Burke	do	65. 81
	Washington Woodworking Co	Map case.	65.81 49.50
	Z. D. Gilman	Filler papers, etc	34.08
	R. P. Andrews & Co. (Incorporated)	Wrapping papers.	12.50
13	Louis Mesmer	Traveling expenses	148. 20 61. 0
	Geo. N. Coffey	do	61.0
	F. W. Taylor	do	107.95
	J. E. Laphan. L. H. Shelfer. R. T. A. Burke Washington Woodworking Co Z. D. Gilman R. P. Andrews & Co. (Incorporated) Louis Mesmer Geo. N. Coffey F. W. Taylor F. H. King	Expenses	43.90
15	Mus Hanny B Code	Traveling expenses	119. 55 30. 00
19	Ches P Edmonston	Filton tubes	10.34
	Houghton & Delano	Plate holders	5.00
16	Franklin Laboratory Supplies Co	Weights	5.00
	Driver-Harris Wire Co	Manganium	13.60
	Andrew J. Floyd & Co	Table	2.40
	Whitall, Tatum & Co	Test tubes	3.00
	Eimer & Amend	Bulbs	2. 40 3. 00 3. 90
	do	Cylinders	11.82 15.00
	do The Torsion Balance Co Franklin Laboratory Supplies Co Chas. A Jensen Chas. N. Mooney Fred A. Schmidt do	Scale	15.00
	Franklin Laboratory Supplies Co	Steel spatulas	1. 20 157. 20
	Chas N Massas	Traveling expenses	101.20
17	Fred A Schmidt	Ruling page eta	147. 2
11	do	Drawing pens, etc	14.2
	do	Ruling pens, etc Drawing paper Tracing cloth	19.8
	R. Carter Ballantyne. Jas, B. Lambie Thos. Somerville & Sons	Pens	3.9
	Jas. B. Lambie	Screws, etc	4.83
	Thos. Somerville & Sons	Screws, etc Plumbers' supplies Traveling expenses	6.3
20	Geo. T. McNess Jno. W. Collins Rudolph, West & Co Chas. R. Edmonston	Traveling expenses	294. 59
24	Jno. W. Collins	Boxes	10.0
21	Rudolph, West & Co	Boxes Screw-drivers Filtering tubes	.90 12.00
	Whitell Tetum Co	Filtering tubes	12.00
24	Wm H Dyor	Flasks.	11.3 28.0
#±	R. P. Clarke Co	Toweling	20,00
	The University of Wisconsin	Use of laboratory	2. 40 24. 30
25	Eimer & Amend	Gauze	2.20
	Chas, R. Edmonston Whitall Tatum Co. Wm. H. Dyer R. P. Clarke Co The University of Wisconsin. Eimer & Amend do. Geo. T. McNess Eberhard Faber. do. Chas, R. Edmonston	Boxes Toweling Use of laboratory Gauze Alcohol lamps Traveling expenses	14.6
	Geo. T. McNess	Traveling expenses	225. 3
28	Eberhard Faber		1.03
	do	do	. 90
	Chas. R. Edmonston	Filter tubes	6.00
29	Woodward & Lothrop	Sheeting, etc	8. 12
29		Wronches	1.00
29	Barber & Ross.	WITCHCHOS	1.0
29	Chas. R. Edmonston Woodward & Lothrop Barber & Ross. Mackall Bros	Chemicals	9. 0
	Barber & Ross. Mackall Brosdo	do filter tubes Sheeting, etc Wrenches Chemicals do	1.00 9.07 48.03
31	Barber & Ross.  Mackall Bros.  do  F. H. King et al  Rudelly Bros	Chemicals do Salaries	48.08 2.074.18
	Barber & Ross.  Mackall Bros. do F.H. King et al Rudolph Bros. Geo. T. McNess Walter M. Hinson	Salaries Salary	48 0

### Expenditures of Department of Agriculture for year ending June 30, 1903—Cont'd. SOILS INVESTIGATIONS—Continued.

ate.	Name.	Nature of payment.	Tota
902.	Geo. B. Massey Geo. H. Failyer Lawson H. Shelfer A. S. Root Jas. L. Burgess. Alfredo M. Sanches A. W. Mangum William T. Carter C. W. Ebey Willie E. McLendon A. H. Prince Harvey Rich Lewis W. Ayer W. W. Cobey N. P. Neill Harry Weinberg Edwin C. McDuffe Jno. B. Stewart Louis Mesmer G. B. Jones		
v. 1	Geo. B. Massey	Salary	\$151
	Geo. H. Failyer	do	60
	Lawson H. Shelfer	do	148 60
	A. S. Root	do	60
	Jas. L. Burgess.	do	60
	Alfredo M. Sanches	do	60
	A. W. Mangum	do	60
	William T. Carter	do	60
	U. W. Ebey	do	60
	Wille E. McLendon	00 do	60
	However Dieb	do	70 70
	Lowic W Avon	do	70
	W W Cobey	do	70
	N P Neill	do	70
	Harry Weinberg	do	70
	Edwin C. McDuffie	do	70
	Jno. B. Stewart	do	84
	Louis Mesmer	do	84 84
	G. B. Jones	do	84
	W. E. Hearn	do	84
	Thos. D. Rice	do	84
	Louis Mesmer G. B. Jones W. E. Hearn Thos. D. Rice Frank Bennett, jr Fredk, W. Taylor Wm. H. Knox Henry J. Wilder J. E. Lapham Elmer O. Fippen R. T. A. Burke Chas. N. Mooney Thos. A. Caine Macy H. Lapham Chas. A. Jensen Fred E. Bonsteel Herbert W. Marean	do	84
	Fredk. W. Taylor	do	84
	Wm. H. Knox	do	84 101
	Henry J. Wilder	do	
	J. E. Lapham	do	101
	Elmer O. Fippen	do	101
	R. T. A. Burke		101
	Chas. N. Mooney	do	101
	Thos. A. Caine	do	101
	Macy H. Lapnam		101 117 117
	Unas. A. Jensen	do	117
	Tred E. Bonsteel	do	27 51
	Herbert W. Marean Queen & Co. (Incorporated) J. P. Nawrath	This pales	9 j
	T. P. Narraeth	Tangles	2
	Jno. B. Espey	Solder	
	Jno. B. Espey	Carbon panor	1
3	Jno. Underwood & Co Chas. R. Edmonston	Carbon paper Cuspidors	4
9	Fredk. Carl	Apparatus	14
	District of Columbia Paper Manufacturing Co	Blotting paper	1.
	The Burnell Telephone and Electric Co Washington Gaslight Co	Pliers	8
4	Washington Gaslight Co	Gas	10
	do	do Current	16
	United States Electric Lighting Co	Current	6
	do	do	8
5	Tower Manufacturing and Novelty Co	Describer of the state	2
	C. S. Kessler & Bro	Bicycle pump	2
6	W.J. Woods Elmer O. Fippen	Fencin pockets Bicycle pump. Salary Traveling expenses do do	8
	Eimer O. Fippen	Traveling expenses	125
	J. E. Lapham	do	111
	Macy H. Lapham	do	145
	F. W. Taylor	QO	109
	J. E. Lapham Macy H. Lapham F. W. Taylor Geo. B. Massey Z. D. Gilman	Pubbon tubing	28 56
	Z. D. Gilman Rudolph, West & Co	Rubber tubing Screw-drivers, etc	- 60 - 6
	Fradk Carl	Filter numns	42
	Rudolph, West & Co Fredk, Carl Castleberg's National Jewelry Co. S. Kanns' Sons & Co. Charles N. Mooney Geo. N. Coffey Frank Bennett, jr W. G. Smith R. T. A. Burke W. & L. E. Gurley F. H. King W. H. Heileman Houghton & Delano Mackall Bros do	Renairing watch	2
8	S Kanns' Sons & Co	Plates	ĩ
9	Charles N. Mooney	Traveling expenses	110
	Geo. N. Coffey	do	139
	Frank Bennett, jr	do	139 112 127 263
	W.G. Smith,	do	127
	R. T. A. Burke	do	263
	W. & L. E. Gurley	Tables, etc	43 32
11	F. H. King	Traveling expenses	32
	W. H. Heileman	do	61 17
13	Houghton & Delano	Photo supplies	17
	Mackall Bros	Glycerin	
	dodo	Wire	4
	K. Carter Ballantyne		1
	R. Carter Ballantyne C. Becker Thos. Somerville & Sons	Trunks Wrenches, etc	29
	Thos. Somerville & Sons	w renches, etc	14
70	Church & Stephenson	Lumber Coils	-9 10
17	Western Electric Co Wm. Krafft	Coils	6
	L. H. Shelfer P. F. Van Everen	Pepton Traveling expenses Library numbers	86
		TIAVEIIIIZ CADEUSES	00

1902. Nov. 1			
Nov. 1			
	Jas. B. Lambie	Bucket.etc	\$0.60
18	E. Morrison Paper Co	Copying paper	20.00
	Pittsburg, Cincinnati, Chicago and St.	Passenger transportation	14.00
	Louis Rwy. Co.	3	00.00
	Weshington Southern Pwy Co	0	90.00 24.90
	St Louis Southwestern Rwy Co	do	30.74
	Atlantic Coast Line R. R. Co.	do	30.74 25.50
	dodo	do	13. 75
	Seaboard Air Line Rwy. Co	do	26.00
	Couthorn Pury Co	do	18.40 39.50
	Baltimore and Ohio R. R. Co	do	10.00
	do	do	12. 75 30. 05
	Louis Rwy. Co. Atchison, Topeka and Santa Fe Rwy. Co. Washington Southern Rwy. Co. St. Louis Southwestern Rwy. Co. Atlantic Coast Line R. R. Codo Seaboard Air Line Rwy. Codo Southern Rwy. Co. Baltimore and Ohio R. R. Codo New York, New Haven and Hartford R. R. Co.	do	30.05
	Co.	0.1	0 50
	Lewis A. Hurst Chicago and Northwestern Rwy. Co New York, New Haven and Hartford R. R.	Salary	0. 0%
	New York New Haven and Hartford R R	do	6, 52 17, 25 50, 15
			90.19
	Northern Pacific Rwy. Co	do	38.40
	dodo	do	45. 75 87. 13
	Northern Pacific Rwy. Codo The Pennsylvania R. R. Co	do	87.13
	Chicago and Alton Rwy. Co. Texas and New Orleans R. R. Co. Norfolk and Western Rwy. Co. St. Louis and San Francisco Rwy. Co. Burlington and Missouri River R. R. Co. The Missouri Pacific Rwy. Co. Oregon R. R. and Navigation Co.	do	10. 25 37. 30 15. 50
	Norfolk and Western Press Co	do	15.50
	St Louis and San Francisco Rwy Co	do	22.36
	Burlington and Missouri River R. R. Co	do	26. 35
	The Missouri Pacific Rwy. Co	do	13.60
	Oregon R. R. and Navigation Co	do	47.95
7.4	origin R. R. and Navigation Co. do Chicago, Burlington and Quincy R. R. Co. Potomac Electric Power Co. The Torsion Balance Co.	do	85.00 37.50
19	Chicago, Burlington and Quincy R. R. Co.	Tile starie commont	31.5U
	The Torsion Relence Co	Electric current	6.23 50.00
	Henry J Green	Scale Thermometers	11.00
	The M. Lindsay Rubber Co.	Ice bags	33.00
	Whitall, Tatum & Co	Jars	14.25
	Henry J. Green The M. Lindsay Rubber Co. Whitall, Tatum & Co. Eimer & Amend	Chemicals	7.89
		Bureries	14.40
	W. B. Moses & Sons	Tacks.etcOilcloth	. 90 2. 75
	Maglell Proc	Chemicals	18 45
20	Geo. T. McNess	Traveling expenses	114.54
22	Thos. H. Means	do	36.78
	Geo. T. McNess Thos. H. Means F. H. King	Chemicals Traveling expenses do Expenses	5.49
24	Louis Mesmer	Traveling expensesdo	115.37
25	Louis Mesmer Milton Whitney Woodward & Lothrop Hugh Reilly	Furniture, etc .	65, 80 58, 20
140	Hugh Reilly	Glass	7.20
	Southern Rwy. Co	Glass Passenger transportation	22, 65
29	F. H. King et al	Salaries	2,080.59 34.20
Dec. 1	F. E. Bonsteel	Salary	34. 20
	Ches W Fly	do	10.00
	Hugh Reilly Southern Rwy. Co F. H. King et al F. E. Bonsteel. Rudolph Boss. Chas. W. Ely Willie E. McLendon A. W. Mangum Herman A. Clark W. J. Wood Fredk. W. Taylor Thos. D. Rice W. E. Hearn	do	58, 80 58, 80
	A. W. Mangum	do	58.80 58.80
	Herman A. Clark	do	50.00
	W.J. Wood	do	50.00
	Fredk, W. Taylor	do	81.60
	W.E. Hearn	00	81.60
	Harry Rich	do	81.60 68.40
	Harry Rich	do	68.40
	Aldert S. Root	do	58.80
	N. P. Neill Aldert S. Root Wm. T. Carter, jr Jno. T. Burgess Alfredo M. Sanchez Frank Bennett, jr Louis W. Ayer Wm. H. Knox G. B. Jones Henry Weinberg Thos. A. Caine Jno. B. Stewart A. H. Prince	do	58.80
	Jno. T. Burgess	do	58.80
	Frank Ronnett in	do	58.80 81.60
	Louis W. Aver	do	81.60
	Wm. H. Knox	do	81.60
	G. B. Jones	do	81.60
	Henry Weinberg	do	97.80 97.80
	Thos. A. Caine	do	97.80
	JHO. B. SteWart	00	91.80
	A.H. Prince Henry J. Wilder	do	97.80 97.80
	Henry J. Wilder J. E. Lapham R. T. A. Burke Elmer O. Fippen. Chas. N. Mooney	do	97.80
	R.T.A.Burke	do	97.80
	Elmer O. Fippen	do	97.80 97.80

# Expenditures of Department of Agriculture for year ending June 30, 1903—Cont'd. SOILS INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Tot
1902.			
Dec. 1	W. W. Cobey Macy H. Lapham Louis Mesmer	Salary	69
	Louis Masmar	do	1 1
	Chas. A. Jensen	do	1
	Walter M. Hinson	do	1 1 1
	Geo. B. Massey	do	1
	Geo T McNess	do	1 2
2 3	Louis Mesmer Chas. A. Jensen Walter M. Hinson Geo. B. Massey Lawson H. Shelfer Geo. T. McNess Jno. C. Parker Southern California Rwy. Co Chicago and Northwestern Rwy. Atlantic Coast Line R. R. Co Washington Gaslight Co Z. D. Gilman Geo. B. Massey Geo. N. Coffey Wyckoff, Seamans & Benedict Houghton & Delano.	Stationery supplies	~
3	Southern California Rwy. Co	Passenger transportation	
	Chicago and Northwestern Rwy.	do	1
4	Washington Gaslight Co	Gas	
1	Z. D. Gilman	Fruit jars	1
	Geo. B. Massey	Traveling expenses	1
5	Wyelzoff Soamans & Ponodiet	Dibbons	
5 6	Houghton & Delano	Solio paper	
8	E. Faber Whitall Tatum Co Eimer & Amend	Poneile	
	Whitall Tatum Co	Flasks, etc	
	Eimer & Amend	Tubes, weights, etc	1
	Chas E Jensen	do	1
	J. E. Lapham Chas. E. Jensen Macy H. Lapham Geo. T. McNess	Flasks, etc Tubes, weights, etc Traveling expenses do do	1 2
	Geo. T. McNess		1
10	Andrus & Church W. B. Moses & Sons W. H. Heileman	Paper	
11	W.B. Moses & Solls	Bookcases Trayeling expenses	
11	R. T. A. Burke	do	2
	Thos. D. Rice Elmer O. Fippin W. G. Smith	do	1
	Elmer O. Fippin	do	1
12	W. G. Sinton Rudolph, West & Co Barber & Ross E. G. Schafer & Co	Thumb tacks	1
120	Barber & Ross	Thumb tacks Screw bits, etc Pipe, etc	
	E. G. Schafer & Co	Pipe, etc	
	Fredk, Carl	Aspirators	
	Fred A. Schmidt	Drawing paper	
13	Chas. N. Mooney	Traveling expenses	1
	Chesapeake and Potomac Telephone Co	Moving telephone	
1.0	L. H. Shelfer	Traveling expenses	
16	Borger Bros	Condensor	
17	Aldert E. Acker Co.	Connections	
	Fredk. Carl	Tubes and boxes	
18	E. G. Schafer & Co Fredk. Carl Fred A. Schmidt Julien P. Freiz. Chas. N. Mooney. Chesapeake and Potomac Telephone Co L. H. Shelfer Frank Bennett, jr Berger Bros Aldert E. Acker Co Fredk. Carl Church & Stephenson Atlantic Coast Line R. R. Co do	Lumber	
19	Atlantic Coast Line R. R. Co	Passenger transportation	
	Oregon Short Line R. R. Co.	do	
	Southern Rwy. Co	do	
	do	do	
	Lake Shore and Mich. Southern Rwy. Co.	do	
	The Pennsylvania R. R. Co.	do	~
	Baltimore and Ohio R. R. Co	do	
00	Washington Southern Rwy. Co	do	
22 31	Atlantic Coast Line R. R. Co- do Oregon Short Line R. R. Co- Southern Rwy. Co. do Lake Shore and Mich. Southern Rwy. Co Louisville and Nashville R. R. Co. The Pennsylvania R. R. Co. Baltimore and Ohio R. R. Co. Washington Southern Rwy. Co. Geo. N. Saegumiller Thos H. Means F. H. King et al	Traveling expenses	
91	F. H. King et al	Salaries	2,0
	3		
	Total second quarter		25,7
1903			
1903. an. 2	Geo. N. Coffey Geo. T. McNess Lawson H. Shelfer Geo. B. Massey Walter M. Hinson Macy H. Lapham Chas. A. Jensen Louis Mesmer Henny I. Wilder	Traveling expenses	
	Geo. T. McNess	Salary	2 1
	Lawson H. Shelfer	do	1
	Walter M Hipson	do	1 1 1 1
	Macy H. Lapham	do	1
	Chas. A. Jensen	do	1
	Louis Mesmer	do	
	Louis Mesmer Henry J. Wilder. Thos. A. Caine R. T. A. Burke J. E. Lapham Chas. N. Mooney Elmer O. Fippin A. H. Prince Henry Weinberg Jno. B. Stewart	do	1
	R. T. A. Burke	do	1
	J. E. Lapham	do	1
	Chas. N. Mooney	do	1
	Elmer O. Fippin	do	1
	Henry Weinherg	do .	1 1 1
			1

Date.	Name.	Nature of payment.	Total.
1903.			
n. 2	W. W. Cobey Wm. H. Knox T. W. Taylor Thos. D. Rice W. E. Hearn Frank Bennett, jr. G. B. Lones	Salary	\$101.
	Wm. H. Knox	do	81 9
	T. W. Taylor	do	84. 2 84. 2 84. 2
	Thos. D. Rice	do	84.2
	W. E. Hearn	do	84.2
	Frank Bennett, jr G. B. Jones Lewis W. Ayer N. P. Neill F. E. Bonsteel Harry Rich Jas. L. Burgess Aldert S. Root Alfredo M. Sanchez A. W. Manquin W. E. McLendon Chas. W. Ely Wm. T. Carter, jr Wm. J. Wood Herman A. Clark Rudolph Bros	do	84.5
	G.B.Jones	do	84.2 84.2
	Lewis W. Ayer	do	84.2
	N. P. Neill	do	70.8
	F. E. Bonsteel	00	70.8
	Harry Rich	00	70.8
	Jas. L. Burgess	00	60. 6
	Alfrede M. Compher	do	60.6
	A W Monovin	do	60.6
	W. F. Mallondon	do	60.
	Chae W Fly	do	60.6
	Wm T Carter in	do	60.6
	Wm J Wood	do	50.
	Herman A Clark	do	50.
	Rudolph Bros	do	10.0
3	Rudolph Bros. Milton Whitney. Saml F. Bagg. Wolf Bros. Chas R. Edmonston.	Traveling expenses	36
5	Saml, F. Bagg	Furnace repairs	36. 37.
,	Wolf Bros	Envelopes	17.4
	Chas, R. Edmonston	Filter tubes	12.
*	Jas. N. Rupp Rudolph. West & Co Potomac Electric Power Co	Scrapbooks_ Thumb tacks	ő.:
	Rudolph, West & Co	Thumb tacks	2.1
	Potomac Electric Power Co	Current	9, 9
	do	Funnels, etc	13.
	Z.D.Gilman	Funnels, etc	71.
6	C. D. Gilman E. R. Squibb & Sons. W. & L. E. Gurley do do	Acid Screws, etc	
	W. & L. E. Gurley	Screws, etc	1.1
	do	do Metallic tape	2. 6.
	do	Metallic tape	6.
		Tables	43.
7	J. E. Lapham	Traveling expenses	191. 110.
	W. G. Smith	do	110.0
	Chas. W. Mooney	Tables Traveling expensesdodo	54.
0	F. W. Taylor	do	60.
8	Church & Stephenson	Lumber.	9.
	Jas. B. Lambie	Tubing	5.
	W. G. Smith Chas, W. Mooney F. W. Taylor Church & Stephenson Jas, B. Lambie	Tubing Scissors, etc. Sash chain, etc Labor Chairs Matches	9.
			6.
12	Jno. Higgins et al W. B. Moses & Sons J. E. Ergood Co	Chaire	2.0 10.
1.74	I E Ergood Co	Matches	1.5
	District of Columbia Paper Manufactur- ing Co.	Matches Blotting paper	11.3
	Densmore Typewriter Co	Copyholder	2.0
	Woodward & Lothrop	Desk, etc	17. 12.
	do Mackall Bros	Sheeting Wire.etc Laboratory supplies	12.
	Mackall Bros	Wire, etc.	8.
	do	Laboratory supplies	65.
	do Thos. Somerville & Sons	Boxes Photo supplies Florence lamp	3. 7. 2.
13	Houghton & Delano	Photo supplies	7.
	Houghton & Delano Little & Page Fred. A. Schmidt	Florence lamp	2.
	Fred. A. Schmidt	Drawing paper Pens	28.
	OD	Pens:	2.
	R. P. Andrews & Co. (Incorporated) Elmer H. Catlin & Co	Compass, etc Manila paper Plating cylinders	39.
	R. P. Andrews & Co. (Incorporated)	Manila paper	10.
	Eimer n. Caum & Co	Plating cylinders	
15	In Underwood & Co	Nickel plating Carbon paper	2.
10	do Jno. Underwood & Co Driver & Harris Wire Co Bausch & Lomb Optical Co Library Bureau Whitall Tatum Co do Eimer & Amend do	Platinoid	2. 2.
	Bausch & Lomb Onticel Co	Platinoid Forceps	11
	Library Rureau	Stande	11. 10.
	Whitall Tatum Co	Flacks	3
	do	Stands Flasks Glass rods	9. 3
	Eimer & Amend	Pinettes	9.
	do	Chemicals, etc.	3. 2. 3.
	do	Rings, etc.	4.
	do	Pipettes Chemicals, etc Rings, etc Laboratory supplies	61.
	Wm. Roche	Batteries	6.
	Arthur H. Thomas Co	Glass	0.
	Mercke & Co	Chemicals	10.3
	W. & L. E. Gurley	Scales	4
	do do do Wm. Roche Arthur H. Thomas Co Mercke & Co W. & L. E. Gurley Chas. A. Jensen W. H. Heileman L. H. Shelfer Geo. T. McNess	Traveling expenses	4. 63.
	W. H. Heileman	do	46.
	T II Chalf	do	102. 82.
	L. H. Sheller		

### $Expenditures of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30,1903-\text{Cont'd.}$

Date.	Name.	Nature of payment.	Tota
1903.			
an. 16	Louis Hartig	Iron Water bath, etc Toweling Traveling expenses do	\$5 15
	Berger Bros R. P. Clark & Co Macy H. Lapham Thos. A. Caine Flyon O. Fireyin	Water bath, etc	15
	Macy H. Lapham	Toweling overess	21
	Thos. A. Caine	do	8
	Elmer O. Fippin	do Bulbs, etc	13
17	Elmer O. Fippin Queen & Co. (Incorporated)	Bulbs, etc	
	Queen & Co. (Incorporated) do Schneider Bros W. & L. E. Gourley Louis Mesmer Thos D. Rice	Thermometers	3
20	Schneider Bros	Tables	43
21	Louis Mesmer	Tables Traveling expenses	86
	Thos. D. Rice. Washington Gaslight Codo		5
	Washington Gaslight Co	Gas	1
	Raphon & Poss	Gas do Auger bits	1
	Barber & Ross E. G. Schafer & Co M. Du Perow	Pine	
	M. Du Perow	Pipe Tape	
	E. Morrison Paper Co Fred. A. Schmidt Mackall Bros	Copying paper	2
	Fred. A. Schmidt	Wax crayon	3
	Edw E Howell		2
	Clarence S. Kessler	Pump	14
22	Clarence S. Kessler The Sternberg Manufacturing Co. Washington R. R. and Electric Co. National Electric Supply Co	Pump Cigar knife, etc	
24	Washington R. R. and Electric Co.	Car tickets	
	National Electric Supply Co	Wire	
	John Higgins St. Louis and San Francisco R. R. Co do Southern Pacific Rwy. Co Lake Shore and Mich. Southern Rwy. Co Houston and Texas Central R. R. Co Southern Pacific Co	Services.	2
	do	do	6
	Southern Pacific Rwy. Co	do	1 5
26	Lake Shore and Mich. Southern Rwy. Co.	do	5
	Houston and Texas Central R. R. Co	do	12
	Fort Worth and Denver City Rwy Co	do	7
	R. T. A. Burke	Traveling expenses	23
	United States Envelope Co	Envelopes	4
	Whitall-Tatum Co	Flasks, etc	3
	Houston and Texas Central R. R. Co. Southern Pacific Co. Fort Worth and Denver City Rwy. Co. R. T. A. Burke. United States Envelope Co. Whitall Tatum Co. Goo. F. Muth. & Co.	Envelopes Flasks, etc	3
27	Geo. F. Muth & Co. Southern Rwy. Co. Atlantic Coast Line R. R. Co. Pennsylvania R. R. Co. Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co. S. H. Davis & Co. Brichards & Co.	Passenger transportation	7 24
~ 1	Atlantic Coast Line R. R. Co	do	9
	Pennsylvania R. R. Co	do	2
	Cleveland, Cincinnati, Chicago and St.	do	2
28	Louis Rwy. Co.	Poll adametors	4
20	S. H. Davis & Co. Richards & Co. D. Frank Parker Fredk. Carl Jno. T. Springman Barber & Ross. Fred. A. Schmidt W. E. Heran F. H. King et al	Bell odometers	4.
	D. Frank Parker	Thermometers Typewriter paper Filter pumps Fire plate	-
	Fredk. Carl	Filter pumps	3
	Jno. T. Springman	Fire plate	-
	Barber & Ross	Augers. Oil boards, etc Traveling expenses	1
31	W F Horan	Traveling expenses	4
91	F. H. King et al	Salaries	2.48
eb. 2	Jno. C. Parker Little & Page Fredk. Carl	Stationery supplies Lamps	$2,48 \\ 1$
	Little & Page	Lamps	
	Fredk, Carl	Filter pumps	25
	Geo T McNess	Traveling expenses	4
	Jas. L. Gill	Salary	49
	Geo. T. McNess	do	250 100
	Chas. N. Mooney	do	10
	Fredk. W. Taylor	do	8
	Lewrence H Shelfer	do	5. 17:
	Geo. B. Massey	do	15
	Walter M. Hinson	do	129
	Chas. A. Jensen	do	120
	Louis Mesmer	do	12
	в т 4 Виеке	do	120 103
	J. E. Lapham	do	10
	W. W. Cobey	do	103 103
	Jno. C. Parker Little & Page Fredk. Carl C. Becker Geo. T. McNess Jas. L. Gill Geo. T. McNess Chas. N. Mooney Fredk. W. Taylor Herbert W. Marean Lawrence H. Shelfer Geo. B. Massey Walter M. Hinson Chas. A. Jensen Louis Mesmer Macy H. Lapham R. T. A. Burke J. E. Lapham W. W. Cobey Henry J. Wilder Henry Weinberg Thos. A. Caine Jno. B. Stewart Elmer O. Fippin A. H. Prince Jas. O. Martin Thos. D. Rice	do	10
	Henry Weinberg	do	103 103 103
	Thos. A. Caine Inc. B. Stewert	do	103
	Elmer O Finnin	do	10
	A. H. Prince	do	103 103
	Jas. O. Martin	do	108
		A -	86

Date.	Name.	Nature of payment.	Total
903.	Frank Bennett, jr. Wm. H. Knox W.E. Hearn Alfredo M. Sanchez Willie E. McLendon Chas. W. Ely Jas. L. Burgess Aldert S. Root A. W. Mangum N. P. Neill F. E. Bonsteel Wm. T. Carter, jr Louis W. Ayer Geo. B. Jones Harry Rich Herman A. Clark W. J. Wood		
b. 2	Frank Bennett, jr	Salary	\$86.
	Wm. H. Knox	do	86.
	W.E. Hearn	do	86.
	Willie E McLendon	do	86. 86.
	Chas W Ely	do	86
	Jas. L. Burgess	do	86. 86. 86.
	Aldert S. Root	do	86.
	A. W. Mangum	do	86.
	N.P. Neill	do	86.
	F. E. Bonsteel	do	86. 86.
	Wm. T. Carter, jr	do	86. 86.
	Coo P Jones	do	80. 88
	Harry Rich	do	86. 72.
	Herman A Clark	do	50.
	W.J. Wood	do	50.
	Rudolph Boss	do	10.
3	Milton Whitney Chas. R. Edmonston	Traveling expenses	32.
-4	Unas. R. Edmonston	Filter tubes	12.
	Z. D. Gilman	Beakers	101.
	Z. D. Gilman Torsion Balance Co A. H. Gladden	Scales Horse, etc	30.
	A. H. Gladden	Horse, etc	135.
	C. M. Morrison	Buggy Air bath Water still Traveling expenses	35.
	Richards & Co. Harrison Manufacturing Co. Geo. H. Harris	Water still	5. 5.
5	Geo H Harris	Traveling avnances	20.
6	Ino Higgins		2.
7	Chas. G. Stott & Co.	Mailing tubes	11.
	Houghton & Delano	Plates, etc.	10.
.9	Chas, G. Stott & Co. Houghton & Delano. United States Express Co.	Mailing tubes Plates, etc. Transportation	22.
	Church & Stephenson Wyckoff, Seamans & Benedict Mackall Bros The Geo. W. Knox Express Co W. G. Smith	Transportation Lumber Paper Chemicals Transportation Traveling expenses Ovens. etc. Car tickets	2. 2.
	Wyckoff, Seamans & Benedict	Paper	2,
	Mackall Bros	Chemicals	32.
12	W. C. Smith	Transportation	126.
1%	Porgon Bros	Orons oto	16.
	Washington R R and Electric Co	Contickets	3.
	Chas R Edmonston	Baskets	10.
	W. C. Shiftin Berger Bros Washington R. R. and Electric Co Chas. R. Edmonston Jas. N. Rupp Adams Express Co N. Clark & Sons R. T. A. Burke	Ink	5.
	Adams Express Co	Transportation	5. 35.
14	N. Clark & Sons	Tile	105.
	R. T. A. Burke	Traveling expenses	302.
	Geo. N. Coffey	do	90.
	W. H. Helleman	do	148.
	Coo P Massay	do	112.
	W F Hoorn	do	26. 129.
	Macy H Lapham	do	164.
	J. E. Lapham	do	133
16	W. M. Hinson	do	128.
	The Geo. W. Knox Express Co	Transportation	
	Thos. Somerville & Sons	Section grate	9.
	Harrison Manufacturing Co	Still	5.
	Merck & Co	Chemicals	11.
17	Jas. N. Rupp Adams Express Co N. Clark & Sons R. T. A. Burke Geo. N. Coffey W. H. Heileman Elmer O. Fippin Geo. B. Massey W. E. Hearn Macy H. Lapham J. E. Lapham J. E. Lapham W. M. Hinson The Geo. W. Knox Express Co Thos. Somerville & Sons. Harrison Manufacturing Co Merck & Co. W. & L. E. Gurley do Eimer & Amend do	Cempaga	2 45.
14	Fimer & Amend	Cylinders etc	45.
	qo .	Thermometers	6.
	do	Brushes, etc	7
	do	Burettes	7. 8.
	do do	Bulbs	8.
	do	Bulbs Burettes and tubes	16
	Lamb & Tilden	Dater	
18	C. Becker Franklin Laboratory Supply Co	Trunks.etc Weights	34.
	Honey I Cases	weights	
	Henry J. Green Henrietta Burley	Thermometers Washing socks	18.
	Henrietta Burley Colorado and Southern Rwy. Co. Pennsylvania R. R. Co. Atchison. Topeka and Santa Fe Rwy. Co. Southern Rwy. Co. Southern California Rwy. Co. Denver and Rio Grande R. R. Co. Galveston, Harrisburg and San Antonio Rwy. Co.	Passangar transportation	5. 20.
19	Pennsylvania R. R. Co	do	10.
20	Atchison, Topeka and Santa Fe Rwy Co	do	47.
	Southern Rwy, Co	do	58
	Southern California Rwy. Co	do	58. 68.
	Denver and Rio Grande R. R. Co	do	45.
	Galveston, Harrisburg and San Antonio	do	48.
	Rwy. Co.		
	Rwy. Co. The Fyricide Manufacturing Co Fred. A. Schmidt Hutchinson & McCarthy F. H. King	Extinguishers	27.
	Fred. A. Schmidt	Pencils, etc Evaporimeter Traveling expenses	15. 6.

## $Expenditures of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30, 1903-{\bf Cont'd.}$

Date.	, Name.	Nature of payment.	Total
1903.			
'eb. 25	Jas. B. Lambie	Brasses, etc	81
	do	Hardware, etc	\$1
28	The Modern Machine Works Co	Registers	4
40	A.L. Webb Sons (branch)	Brasses Alcohol Traveling expenses Salaries	80 23
	Thes H Meens	Traveling expenses	86
	F. H. King et al Louis Mesmer L. H. Shelfer	Salaries	2,612 121 140
Iar. 2	Louis Mesmer	Traveling expenses do Salary do	121
	L. H. Shelfer	do	140
	Rudolph Boss	Salary	10 22
	J. C. Bridwell Jas. L. Gill Herman A. Clark W. I. Wood	do	40
	Herman A. Clark	do	50
	W. J. Wood L. Carl Holmes Harry Rich	do	50
	L. Carl Holmes	do	50
			65
	W. E. Hearn Chas. W. Ely Willie E. McLendon Alfredo M. Sanchez F. E. Bonsteel Aldert S. Root Thos. D. Rice N. P. Neill Frank Bennett, jr G. B. Jones	do	77 77
	Willie E. McLendon	do	77
	Alfredo M. Sanchez	do	77 77
	F. E. Bonsteel	do	77
	Aldert S. Root	do	77 77 77
	Thos, D, Rice	do	77
	Frank Bennett ir	do	77
	G. B. Jones	do	77
	G. B. Jones Jas. L. Burgess Wm. T. Carter, jr W. H. Knox Louis W. Ayer Jas. O. Martin B. T. A. Burges	do	77
	Wm. T. Carter, jr	do	77
	W.H. Knox	do	77
	Louis W. Ayer.	do	95
	R. T. A. Burke	do	95
	K. T. A. Burke J. E. Lapham  Henry J. Wilder  Thos. A. Caine Elmer O. Fippin  Henry Weinberg A. H. Prince	do	99
	Henry J. Wilder	do	95
	Thos. A. Caine	do	98
	Elmer O. Fippin	do	98 98
	A H Prince	do	98
	W W Cohev	do	98
	Jno. B. Stewart	do	98
	Chas. A. Jensen	do	108
	Louis Mesmer	do	108
	Macy H. Lapham	do	108
	Goo R Massay	do	116 140
	A. H. Prince. W. W. Cobey Jno. B. Stewart Chas. A. Jensen Louis Mesmer Macy H. Lapham Walter M. Hinson Geo. B. Massey Lawson H. Shelfer F. R. Reid	do	155
	Lawson H. Shelfer F. R. Reid E. T. Hughes F. W. Taylor A. W. Mangum J. C. Britton Herbert W. Marean Chas, N. Mooney. Geo. T. McNess	do	46
	E.T. Hughes	do	56
	F. W. Taylor	do	77
	A. W. Mangum	do	77
	Herbert W Marean	do	77
	Chas, N. Mooney	do	98
	Geo. T. McNess	do	235
3	Geo. T. McNess Andrews & Church The Chesapeake and Potomac Telephone	Paper Service	6
	The Chesapeake and Potomac Telephone Co.	Service	
	do	do	6
	Geo. H. Harris	Traveling expenses	$\frac{6}{15}$
	Z.D.Gilman	Dishes, hesks, co	- 88
	Jas. S. Topham	Case	110
	E. J. Puliman Jno. Higgins Geo. T. McNess	Camera, etc.	110
4	Goo T McNess	Salary, etc Traveling expenses	38
	Woodward & Lothron	Furniture, etc	57
	Lenz & Lossen Bausch & Lomb Optical Co- Potomac Electric Power Co	Furniture, etc Engravers' glass	57 1
	Bausch & Lomb Optical Co	Jars, etc.	
5 7	Potomac Electric Power Co	Jars, etc. Light and power Traveling expenses	15
7	Chas, A. Jensen J. E. Lapham L. H. Shelfer	Traveling expenses	42 111
	L H Shelfer	do	108
	W. M. Hinson	do	85
	W. M. Hinson Geo. B. Massey J. C. Bridwell	do	11
	J. C. Bridwell	do	17
	J. C. Britweil W. G. Smith Jay A. Bonsteel W. E. Hearn Chas, W. Ely L. H. Shelfer Z. D. Gilman	do	149
	Jay A. Bonsteel	do	102 102
9	W.L. Hearn Choc W Fly	do	53
9	I. H Shelfer	do	276

### Expenditures of Department of Agriculture for year ending June 30, 1903—Cont'd. SOILS INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Mar. 11	Houghton & Delano Chas. R. Edmonston National Electrical Supply Co Thos. Somerville & Sons E. G. Schafer & Co	Chemicals	\$6.40
	Chas. R. Edmonston	Repairs to filter pumps Rubber tubing Plumbing	3.00
	National Electrical Supply Co	Rubber tubing	.56
	Thos. Somerville & Sons	Plumbing	11.21 .25
	E. G. Schafer & Co	Bolts	13.43
	E. G. Schafer & Codo  E. Morrison Paper CoFrederick Carl Church & Stephenson Eberhard Faber American Entomological Co	Pipe	2.50
	Frederick Carl	Filter pumps	30.00
	Church & Stephenson	Lumber	29.63
14	Eberhard Faber	Bands	6.16
	American Entomological Co Henry J. Green Jas. G. Biddle Macy H. Lapham W. H. Heilc man J. Garnett Holmes Louis Mesmer Geo. N. Coffey Frank E. Hopkins Hermann Baker & Co Frank Bennett, jr R. T. A. Burke Thos. A. Caine	Net and forceps	2.25
	Henry J. Green	Apparetus	59.40
	Macy H Lapham	Traveling expenses	95. 75 149. 25
	W. H. Heileman	do	44, 45
	J. Garnett Holmes	do	44. 45 32. 81
	Louis Mesmer	do	163.05
16	Geo. N. Coffey	do	16.59
17	Frank E. Hopkins	Wicks	1.00
	Frank Rannatt iv	Travelingevnences	11.20 48.35
	B. T. A. Burke	do	273.25
	Thos. A. Caine	do	72.60
	Eimer & Amend	Tintometer glasses	44.71 8.16
	Thos. A. Caine Eimer & Amenddo	Tintometer glasses Bottles	8.16
· ·	do	Bisilinnate mercury	1.05
	Whitall, Tatum & Codo	Bottlesdo	6.00 3.05
	do	Pinettes	1.07
18	Fred A Schmidt	Pens and steel tane	2.35
	Chas, Engelhard Bausch & Lomb Optical Co Rudolph, West & Co	Wire Collecting case	. 90 1.13
	Bausch & Lomb Optical Co	Collecting case	1.13
19	Rudolph, West & Co	Chisels, etc.	3.54
	Hugh Reilly	Shellac	1.80
	M. Lindsay Rubber Co	Gaskets Matches	1.80 2.55
20	Hugh Reilly M. Lindsay Rubber Co The J. C. Ergood Co. Arthur H. Thomas Co	Pipettes	4.84
20	Chas, Engelhard	Wire	13.86
	Arthur H. Thomas Co Chas. Engelhard Eimer & Amend Potomac Electric Power Co Lanney Steinmartz & Co	Wire Sieves	20.00
23	Potomac Electric Power Co	Current	21.52
24	Janney, Steinmetz & Co.  The Burnell Telephone and Electric Co.  Henry J. Green	Shell	1.00
	The Burnell Telephone and Electric Co	Pliers Thermometers	1. 44 4. 50
	A S Root		79.89
	W.S. Jenks	Stove	5.50
	A. S. Root W. S. Jenks J. L. Edlavitch & Co.	Stove Lumber, etc Hardware Spray pump, etc Boxes Gas do do	25, 68
	Jas. B. Lambie	Hardware	14.04
25	The Deming Co	Spray pump, etc	6.90
26	Wm. H. Dyer Washington Gaslight Co. do F. H. King et al	Boxes	2.00 9.30
20	do do	do	13.00
31	F. H. King et al	Salaries	2,586.33
-			
	Total third quarter		28,025.67
Apr. 1	Alfredo M Sanchez	Salary	86.10
I	Alfredo M. Sanchez Thos. D. Rice	do	86. 10 86. 10
	J. W. Nelson	do	86 10
	Nelson P. Neill	do	86. 10 86. 10
	H. W. Marean	do	86.10
	J. W. Nelson Nelson P. Neill H. W. Marean A. W. Mangum W. E. McLindon W. H. Knox Geo. B. Jones.	do	86. 10
	W.E. McLindon	OD	86, 10 86, 10 86, 10
	Geo. B. Jones	do	86.10
	J. C. Hogensen	do	86.10
	Wm. E. Hearn	do	86.10
	Chas. W. Ely	do	86.10
	wm. T. Carter, Jr	do	86.10
	Jas. L. Burgess	do	86.10
	Vec. B. Jones. J. C. Hogensen Wm. E. Hearn Chas. W. Ely Wm. T. Carter, jr Jas. L. Burgess J. C. Britton F. E. Bonsteel Frank Romett iv	do	86.10 86.10
	Frank Bennett, ir	do	86.10
	Lewis W. Ayer	do	86.19
	Henry J. Wilder	do	86. 19 103. 30 103. 30
		1	109 20
	Henry Weinberg	do	100.00
	Henry Weinberg A. H. Prince	do	103, 30
	F. B. Bolisteel Frank Bennett, jr Lewis W. Ayer Henry J. Wilder Henry Weinberg A. H. Prince C. N. Mooney E. H. Mathewen	do do	103.30 103.30
	Henry Weinberg A. H. Prince C. N. Mooney E. H. Mathewson Jas. O. Martin J. E. Lapham		103, 30

Date.	Name.	Nature of payment.	Tota
1903.			
pr. 1	Elmer O. Fippin	Salary	\$103
	Thos. A. Caine	do	108
	B. T. A. Burke	do	108
	Louis Mesmer Macy H. Lapham	- do	120
	Macy H. Lapnam	- OD	120
	Chas. A. Jensen Jno. B. Stewart	do	120
	Jno. B. Stewart W. W. Cobey Walter M. Hinson Geo. B. Massey L. H. Shelfer Geo. T. McNess Rudolph Boss Jas. L. Gill W. J. Wood Herman A. Clarke J. C. Bridwell	do	116 116
	Walter M. Hinson	do	142
	Geo. B. Massey	do	155
	L. H. Shelfer	do	172
	Geo. T. McNess	- do	258
	Rudolph Boss	do	10
	W. I. Wood	do	40 50
	Herman A Clarke	do	50
	J. C. Bridwell	do	70
	J. C. Bridwell F. C. Schroeder E. T. Hughes	dodo	68
	E.T. Hughes	do	62
	L. Carl Holmes H. L. Beldin	do	62 62 62 72 72 77 86
	H. L. Beldin	do	62
			72
	Harry Rich W. C. Palmer A. S. Root F. W. Taylor F. H. King H. L. McNamara J. L. Edlavitch & Co.	do	12
	A S Root	do	86
	F. W. Taylor	do	86
2	F. H. King	Traveling expenses	64
	H. L. McNamara	Stove, etc	28
	J. L. Edlavitch & Co	Pump, etc	7
	Z. D. Gilman F. W. Taylor W. C. Palmer	Dishes, etc	62
3	F. W. Taylor	Traveling expenses	104
	W.C. Palmer	Expenses	15 79
6	Ino C Parker	Latter press ate	28
U	Jno. C. Parker W. M. Hinson	Lefter press, etc	64
	do	do	32
	C. N. Mooney	do	32 177
	J. W. Nelson	do	12
	C. N. Mooney J. W. Nelson Thos. A. Caine	do	40
			141
	J. B. Stewart.	00 do	48
7	Jas B Lambie	Wire etc	5
	J. B. Stewart Jay A. Bonsteel Jas. B. Lambie Jas. S. Topham	Trunk handles, etc.	5 1
	Barber & Ross	Steel square	2
	do	Nails	8
	E.J.Pullman	Plates, etc	. 6
9	Frank Bennett, jr	Traveling expenses	47
	W. W. Cobey J. O. Belz	do	28 30
	L. H. Shelfer	do	119
	W. G. Smith	do	135
	J. E. Lapham	dodo	107
	W.E. Hearn	do	112
	Chas, A. Jensen	do	107
	Elmer O. Fippin	do	108
10	Louis Mesmer	do	164
10	Geo. T. McNess	Photographic supplies	85
	Houghton & Delano Jno. T. Springman, jr., & Bro	Furnace doorplate	17 1
	Chas. R. Edmonston	Filter tubes etc	22
	Fredk. Carl	Filter numps	24
11	C. S. Kessler & Bros	Filter pumps Bicycle pumps	4
	W. G. Orr & Co	(lans	
13	E. G. Schafer & Co E. Morrison Paper Co Woodward & Lothrop	Pipe	6
	E. Morrison Paper Co	Tags	9
	Woodward & Lothrop	Pans, etc	98
14	Church & Stephenson	Lumper	10
14	S. F. Bragg John Chatillon & Sons	Balances	49
	Best & Thompson		12
	L.D. Gulley	Storage	30
	Julian P Eriez	Thermographs	234
	The Torsion Balance Co Baltimore and Ohio R. R. Co	Weights, etc.	18
	Baltimore and Ohio R. R. Co	Transportation	77 20 93 10
1.5	Hutchinson & McCarthy		90
15	Louis W. Ayer J. Garnett Holmes	Traveling expensesdo	03
	A. H. Snyder	do	10
	AATAAT WALL COLUMN TO THE TAX TO	do	288

Da	te.	Name.	Nature of payment.	Total.
100	19	,		
$^{190}_{ m Apr}$	15.	G.B. Massey Herr & Snavely Henry J. Green Thos. Somerville & Sons Fred. A. Schmidt do	Traveling expenses	\$15.70
Apr	16	Herr & Snavely	Hardware	10,00
	17	Henry J. Green	Thermometers	29.70
		Thos. Somerville & Sons	Hardware Thermometers Lead pipe, etc	29. 70 15. 5
		Fred. A. Schmidt	Pens, etc Brushes, etc Pads	3.60
				2.30
		R. Carter Ballantyne do Densmore Typewriter Co Geo. F. Muth & Co. R. P. Andrews & Co. (Incorporated) Hugh Reilly Western Union Telegraph Co. M. Du Perow Wm. H. Dyer Southern Rwy. Co. Morgan's Louisiana and Texas Railroad and Steamship Co.	Pads	4.38
		Donomono Tomo oversido n Co	Fasteners Changing type bars Pens, etc Bags	1.00
		Goo F Nuth & Co	Page ate	10.00
		R P Andrews & Co. (Incorporated)	Rags	10.36 2.5
		Hugh Reilly	Shellac	1.90
		Western Union Telegraph Co	Service Cord. etc Cases, etc Passenger transportation	21.6
	18	M. Du Perow	Cord. etc	21.6
		Wm. H. Dyer	Cases, etc	19.00
		Southern Rwy. Co.	Passenger transportation	92. 20 82. 00
		Morgan's Louisiana and Texas Railroad	do	82.00
		and Steamship Co. Southern Rwy. Co. do	do	e= 0
		Southern Rwy. Co	do	65.06 4.88
		do	do	99, 2
		do do do Washington Southern Rwy. Co Seaboard Air Line Rwy. Co do Thos. H. Means Frank K. Cameron A. M. Sanchez Washington Southern Rwy. Co Missouri, Kansas and Texas Rwy. Co Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.	do	8.60
		Seaboard Air Line Rwy. Co	do	14.50
		do	do	12.0
		Thos. H. Means	Traveling expenses	12.00 221.1
		Frank K. Cameron	do	20.9
		A. M. Sanchez	do	20.40
		Washington Southern Rwy. Co	Passenger transportation	65. 20 37. 30
		Missouri, Kansas and Texas Rwy, Co	do	37.3
		Pittsburg, Cincinnati, Chicago and St. Louis	do	14.00
		Rwy. Co.	a.	20. 0/
		Peningular and Oscidental C. C. Co.	do	30.30
		Louisville and Vachville P. P. Co	-do	35. 83 27. 50
		Atchison Toneka and Santa Fo Rwy Co	do	46.10
		Rwy. Co. Pennsylvania R. R. Co. Peninsular and Occidental S. S. Co. Louisville and Nashville R. R. Co. Atchison, Topeka and Santa Fe Rwy. Co. Southern Pacific Co.	do	7.5
		do	do	15.10
	20	do Elmann & Hobson Schalle & McKey Lumber Co Whitall Tatum Co Bausch & Lomb Optical Co Eimer & Amend do	Bicycle	35.00
		Schalle & McKey Lumber Co	Lumber	43.8
	21	Whitall Tatum Co	Flasks	33.14
		Bausch & Lomb Optical Co	Prisms	17.50 42.40 34.13
		Eimer & Amend	Tubes, etc	42.40
		do	Chemicals	34, 13
		ao	Thermometers, etc	24.58
		do	Flasks	8.88 8.00
		do The Okonite Co. (Limited) Metropolitan Aluminum Co Macy H. Lapham Jno. Chatillion & Sons	Bulbs Wire	6.2
		Metropolitan Aluminum Co		60.00
		Macv H. Lapham	Traveling expenses Scales Traveling expenses	183.86
	23	Jno. Chatillion & Sons	Scales	12.50
		Wm.H.Knox Standard Oil Co	Traveling expenses	12.60
		Standard Oil Co	Oil	. 60
	24		Ink	4.80
	25	Merck & Co	Oil Ink Guaiac, etc	2. 6
		Goo N Saggraphley	Diale	31.6
		Fredk Carl	Cylinder	21.7
	27	Henry Weinberg	Traxeling expenses	50.00 34.70 29.80
	28	Union Stockyard Co	Manure	19.20
	30	F. H. King et al	Salaries	2. 124. 98 11. 70 247. 23
May		Flinn & Breneman	Plates, etc	11.70
		Geo. T. McNess	Salary	247.2
		L. H. Shelfer	do	164. 80 148. 30 148. 30
		Walter M. Hinson	do	148.30
		W. W. Cohon	do	148.30
		Ino P Stowert	ao	123.60
		Chas A Jens-n	do	123, 60 115, 40
		Macy H. Lapham	do	115.40
		Louis Mesmer	do	115.40
		J.O. Belz	do	98 96
		R. T. A. Burke	do	115.40 98.90 98.90
		Thos. A. Caine	do	98 9
		Elmer O. Fippin	do	98, 90
		J. E. Lapham	do	98, 90 98, 90
		Fred A. Schmidt Merck & Co J. R. Collins Geo. N. Saegmuller Fredk Carl Henry Weinberg Union Stockyard Co F. H. King et al Flinn & Breneman Geo. T. McNess L. H. Shelfer Walter M. Hinson Geo. B. Massey W. W. Cobey Jno. B. Stewart Chas. A. Jens -n Macy H. Lapham Louis Mesmer J. O. Belz R. T. A. Burke Thos. A. Caine Elmer O. Fippin J. E. Lapham J. O. Martin E. H. Mathayson	do	98.90
		E. H. Mathewson	do	98.90
		Contract of the contract of th		
		C. N. Mathewson C. N. Mooney A. H. Prince Henry Weinberg	do	98. 90 98. 90

Date.	Name.	Nature of payment.	Total.
1903.			
lay 1	Henry J. Wilder Lewis W. Ayer Orly L. Ayrs Frank Bennett, jr F. E. Bonsteel J. E. Britton	Salary	\$98.
	Lewis W. Ayer	do	82.
	Orly L. Ayrs	do	82.
	F E Boneteal	do	82. 82.
	J. E. Britton	do	82.
	J. E. Britton Jas. L. Britton Jas. L. Burgess E. P. Carr W. T. Carter, jr Chas. W. Ely W. J. Geib Louis Griswold W. E. Hearn J. C. Hogenson	do	82.
	E.P. Carr	do	82. 82. 82.
	W. T. Carter, jr	do	82.
	Chas. W. Ely	do	82.
	Louis Griewold	do	82. 82. 82.
	W E Hearn	do	82
	J. C. Hogenson	do	82.
	G. B. Jones	do	82. 82.
	Wm. H. Knox	do	82.
	A. E. Kocher	do	82.
	W.E. McLendon	do	82.
	H W Margan	do	82. 82.
	F. N. Meaker	do	99
	Nelson P. Neill	do	82. 82. 82.
	J. W. Nelson	do	82.
	Thos. D. Rice	do	82
	W. E. Hearn J. C. Hogenson G. B. Jones Wm. H. Knox A. E. Kocher W. E. McLendon A. W. Mangum H. W. Marean F. N. Mesker Nelson P. Neill J. W. Nelson Thos. D. Rice A. S. Root La Mott Ruhlen	do	82
	A. S. Root La Mott Ruhlen A. M. Sanchez F. W. Taylor W. C. Palmer J. C. Bridwell J. A. Drake F. R. Reid Harry Rich A. T. Sweet H. L. Belden S. Carl Holmes	do	82. 82.
	F W Taylor	do	82
	W. C. Palmer	do	74
	J. C. Bridwell	do	70 69
	J. A. Drake	do	69
	F. R. Reid	do	69
	Harry Rich	do	69 69
	H. I. Boldon	do	59
	S Carl Holmes	do	50
	E. T. Hughes	do	59
	W. S. Lyman	do	59 59 59
	F.R. Pember	do	59
	F. C. Schroeder	do	59
	A. T. Stevens.	do	59 59
	J F Warner	do	59
	Herman A. Clark	do	50 50 49
	W.J. Wood	do	50
	A. H. Snyder	do	49
	H. L. Belden S. Carl Holmes E. T. Hughes W. S. Lyman F. R. Pember F. C. Schroeder F. D. Stevens A. T. Strahorn J. F. Warner Herman A. Clark W. J. Wood A. H. Snyder Jas L. Gill M. Earl Carr	do	40
	M. Earl Carr	do	82 17 33
2	Rudolph Boss Z. D. Gilman	Bottles	33
14			98
	Fredk. Carl	Cylinder, etc	6
5		Traveling expenses	6 13
	W.C. Palmer	Expenses Traveling expenses	45
	H. W. Marean	Traveling expenses	144
8	Barber & Ross	Tapes, etc	95 13
ď	S. Kann Sons & Co	Can	3
	Jas. B. Lambie The M. Lindsay Rubber Co Fred. A. Schmidt	Copper, etc	3
	The M. Lindsay Rubber Co	Gaskets Bristol board	1 10
	Fred. A. Schmidt	Bristol board	10
	Washington Gaslight Co	. Gas	11
	rred. A. Schmidt Washington Gaslight Co. Adams Express Co. Washington Gaslight Co	Gas Transportation Gas do Transportation	77
	do	do	8
	United States Express Co	. Transportation	25
	United States Express Co- Potomac Electric Power Co-	. Current	25 16
	do	do	14
	Chas. R. Edmonston	Dipper	14 7
	Washington Woodwayking Co	Hardware	4
	Woodward & Lothron	SticksCotton	4
	Postal Telegraph Cable Co	Service	
9	Washington Woodworking Co Woodward & Lothrop Postal Telegraph Cable Co Washington Railway and Electric Co.	Car tickets	3
	J. L. Edlavitch & Co	Car tickets Gasoline, etc	20
		. Plow, etc	20.
	C. M. Woolf & Co	Plow, etc	140.
	washington Rahway and Electric Co. J. L. Edlavitch & Co. C. M. Woolf & Co. Geo. N. Saegmuller. Joseph F. Beck. Elmer O. Fippin W. W. Cobey.	Repairs to compasses Copper boxes Traveling expenses	2 9

Date.	Name.	Nature of payment.	Total
1903.			
May 12	Thos. H. Means do Frank Bennett	Expenses	\$57 202
	Due le Demosté	Traveling expenses	202
	I E Lophom	do	99 122 157
	J. E. Lapham W. E. Hearn J. O. Martin Henry J. Wilder Geo. N. Coffey	do	157
	J. O. Martin	do	152
	Henry J. Wilder	do	152 132 112
	Geo. N. Coffey W. G. Smith F. E. Bonsteel J. W. Nelson do J. A. Bonsteel Chas. A. Jensen Thos. D. Rice J. O. Belg	do	112
	W.G.Smith	do	111 124 2
	J W Velson	do	124
	do	Expenses	81
	J. A. Bonsteel	Traveling expenses	133
	Chas. A. Jensen	do do Expenses	117
	Thos. D. Rice	do	95
	J. O. Belz M. H. Lapham C. N. Mooney		56
	C V Mooney	Traveling expenses	81 180
	A. H. Snyder	Expenses Traveling expenses	54
	A. H. Snyder W. M. Hinson Thos. A. Caine	Traveling expenses	68
	Thos. A. Caine	do	85
	A. W. Mangum R. T. A. Burke Geo. B. Massey W. H. Knox Houghton & Delano Mackall Bros A. M. Sanchez Louis Mesmer United States Mailing Case. The A. Lietz Co Eimer & Amend	do	106
	R. T. A. Burke	do	106
	W. H. Kassey	do	42 56
13	Houghton & Dolano	Bromide nancy etc	96
10	Mackall Bros	Chemicals	407
15	A. M. Sanchez	Traveling expenses	407 150
	Louis Mesmer United States Mailing Case. The A. Lietz Co Eimer & Amend	do	116
	United States Mailing Case	Cases, etc	11 14
	The A. Lietz Co	. Gauges	14
	Eimer & Amend	Forceps Alcohol lamps Tubes	1
	do	Tubee	18
	Randall & Athon	Mallets	10
	C. I. King	Tubes etc	58
	Western Electric Co	Electrolytic bridges	90
	Edwd. Orton, jr Whitall-Tatum Co	Cones	2
	Whitall-Tatum Co	Stopcocks	,8
16	B. F. Hershey Thos. Somerville & Sons.	Door, etc. Valves, etc.	45 20
10	Jas. B. Lambie	Wire	
	C. Becker	Trunks Tubes	29
	C. Becker Chas. R. Edmonston	Tubes	12
	Z.D.Gilman Herman Boker & Co	Filters Crucible tongs	26 30
20	Herman Boker & Co The Chicago Laboratory Supply and Scale	Crucible tongs	30
	The Unicago Laboratory Supply and Scale Co.	Clamps, etc	18
	Edge Handle	Cylinders, etc	21
	E. J. Pullman J. Garnett Holmes Jas. A. Nicholsen & Son Geo. N. Saegmuller F. P. May & Co	Plates	6
	J. Garnett Holmes	Traveling expenses Tents Brass tubing Hammer, etc	159
21	Jas. A. Nicholsen & Son	Tents	35
	Geo. N. Saegmuller	Brass tubing	1
	F.P. May & Co	Hammer, etc	ě
			39
99	Mackall Bros Eberhard Faber	Pencils	8
25	J. C. Bridwell	Traveling expenses	22
	do :	do	21
26	Denny Clay Co	Drain tile	287
	J. P. Nawrath	Tape	
29	Schaller & McKey	Lath	ã
29	Ino C Paulton	Evolot machine etc	24 24
	B. P. Andrews & Co. (Incorporated)	Paner	2
	Wm. H. Dver	Boxes	14
	The C. J. McCubbin Co	Sink, etc	5.
	Z.D. Gilman	Funnels. etc	52
	E. Morrison Paper Co.	Strawboard	3.0
31	F H King et al	Solorios	2, 472 50
une 1	W. J. Wood	Salary	50
	H, A. Clark	do	96
	do Denny Clay Co J. P. Nawrath Schaller & McKey Berger Bros Jno. C. Parker R. P. Andrews & Co. (Incorporated) Wm. H. Dyer The C. J. McCubbin Co. Z. D. Gilman E. Morrison Paper Co Fred A. Schmidt F. H. King et al W. J. Wood H. A. Clark J. L. Gill Rudolph Boss	do	40
	Rudolph Boss E. T. Hughes Herbert L. Belden L. Carl Holmes	do	23
	E. T. Hughes	do	61
	Herbert L. Belden	do	
	W S Lyman	00	61
	W.S. Lyman F. R. Pember	do	61
	L. AC. L CLEDOL	do	61

## $Expenditures \ of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30, 1903-{\tt Cont'd.}$

te.	Name.	Nature of payment.	7
3.			
9 1	F.D. Stevens	Salary	
	A. T. Strahorn	do	
	J. F. Warner	do	
	F. D. Stevens. A. T. Strahorn J. F. Warner J. C. Bridwell A. T. Sweet Harry Rich F. R. Reid J. A. Drake W. C. Palmer	do	
	A. T. SWeet	do	
	F R Reid	do .	
	J. A. Drake	do	
	G. A. Drake W. C. Palmer F. W. Taylor Addison H. Snyder A. M. Sanchez La Mott Ruhlin	do	
	F. W. Taylor	do	
	Addison H. Snyder	do	
	A. M. Sanchez	do	
	A. S. Root	do	
	Thos D Rice	do	
	Thos. D. Rice J. W. Nelson Nelson P. Neill	do	
	Nelson P. Neill	do	
	F. N. Meeker A. W. Mangum	do	
	A. W. Mangum	do	
	W. E. McLendon	do	
	W. H. Knox A. E. Kocher	do	
	G. B. Jones	do	
	J. C. Hogeson	do	
	W. E. Hearn	do	
	Lewis Griswold	do	
	W. J. Geib	do	
	Chas. W. Elv	do	
	W.T. Carter, jr	do	
	M. Earl Carr	do	
	E.P. Carr Frank Bennett, jr	do	
	Jas. L. Burgess	do	
	Orla L. Avers	do	
	Orla L. Ayers Lewis W. Ayer	do	
	H. W. Marean	do	
	J. C. Brittan H. W. Marean	do	
	H. W. Marean	Traveling expenses	
	H. J. Wilder	Salary	
	Henry Weinberg A. H. Prince	do	
	E. H. Mathewson	do	
	J. O. Martin	do	
	J. E. Lapham	dodo	
	J. E. Lapham Elmer O. Fippin	do	
	R. T. A. Burke	do ,	
	J. O. Belz C. N. Mooney	do	
	Louis Mesmer	do	
	Macy H. Lapham	do	
	Chas. A. Jensen	do	
	J. B. Stewart	do	
	W. W. Cohy	do	
	Geo. B. Massey	do	
	W. M. Hinson	do	
	L. H. Shelfer	Traveling expenses	
	C. N. Mooney Geo. T. McNess	Salary	
2	F. E. Bonsteel	do	
	Geo. T. McNess	Traveling expenses	
3	W. W. Mackie	Salary	
	Thos. A. Caine	do	
	G. B. Jones	Traveling expenses	
	Geo. N. Coffey Elmer O. Fippin	do	
	J. A. Bonsteel	do	
	F. E. Bonsteel	do	
	Southern Rwy. Co	Passenger transportation	
	do	do	
	do do Atchison, Topeka and Santa Fe Rwy. Co	do	
	Atchison, Topeka and Santa Fe Rwy. Co	do	
	do	do	
	Northern Pacific Rwy. Co	do	
	de d	do	
	Seaboard Air Line Rwy Co	do	
	Northern Pacific Rwy. Co Central of Georgia Rwy. Co do Seaboard Air Line Rwy. Co Southern Pacific Rwy. Co Pennsylvania R. R. Co Atlantic Coast Line R. R. Co do Louisville and Nashville R. R. Co	do	
	Pennsylvania R. R. Co	do	
	Atlantic Coast Line R. R. Co	do	

ite.	Name.	Nature of payment.	Total.
03.			
e 3	Louisville and Nashville R. R. Co	Passenger transportation	\$51.
	Texas and New Orleans R. R. Co	do	68. 37. 19.
	do	do	37.
	Baltimore and Ohio R. R. Co	do	19.
	Louisville and Nashville R. R. Co Texas and New Orleans R. R. Co do Baltimore and Ohio R. R. Co Maricopa, Phoenix and Salt River Valley R. R. Co.	do	21.
	Houston East and West Texas Rwy Co	do	3.
	Cincinnati Hamilton and Dayton Rwy Co	do	50.
	Houston, East and West Texas Rwy. Co Cincinnati, Hamilton and Dayton Rwy. Co. New York, New Haven and Hartford	do	52.
	New York Central and Hudson River R. R. Co. F. H. King	do	18.
	R. Co.	Thornoling ornonges	21
ð	I M Hugupin	Manura	36
	Queen & Co. (Incorporated)	Funnels	9
	J. M. Hugunin Queen & Co. (Incorporated) do The Morristown Covering Co	Manure Funnels Spatulas, etc	11
	The Morristown Covering Co	Cement	3
	Wm. Roche Jno. Underwood & Co Julian P. Friez Frank Bennett, jr Houghton & Delano E. W. Boligno & Co	Labels	3
	Jno. Underwood & Co	Carbon paper	5 10
	Julian P. Friez	Forms No. "1901"	10
8 9	Frank Bennett, Jr	Traveling expenses	99
9	Houghton & Delano	Chemical	17
	F. W. Bolgiano & Co. Washington Gaslight Co.	Carbon paper Forms No. "1901" Traveling expenses Plates Chemical Gas	1
	do	do	9
	Potomac Electric Power Co	do Current	7
	do 'Potomac Electric Power Co The Chesapeake and Potomac Telephone	Service	6
	Co.		
10	Henry J. Wilder	Traveling expenses	110
	W.E.Hearn	do	130
	I. F. Lapham	do	113 127
	Louis Wesemer	do	155
	J. Garnett Holmes	do	156
	A. M. Sanchez	do	165
	Fred A. Schmidt	Paint	1
	W.G.Orr & Co	Tank	2
	Henry J. Wilder W. E. Hearn R. T. A. Burke J. E. Lapham Louis Messmer J. Garnett Holmes A. M. Sanchez Fred A. Schmidt W. G. Orr & Co. C. A. Muddiman & Co Z. D. Gilman Mackall Bros.	Hot plate	3
	Z.D.Gilman	Chemicals	33
	Mackall Bros Chas, R. Edmonston Geo, B. Massey W. W. Cobey J. B. Stewart W. H. Viery	Rougies	55 19
11	Geo. B. Massey	Bougies Traveling expenses do	12 27 45
	W. W. Cobev	do	45
	J. B. Stewart	do	46
	J. B. Stewart W. H. Kuox W. C. Palmer Macy H. Lapham F. W. Taylor A. W. Mangum W. G. Smith Chas. A. Jansen Thos. A. Caine J. O. Martin	do	55
	W. C. Palmer	Expenses	68 75
	Macy H. Lapham	Traveling expenses	75
	A W Manaum	do	90
	W G Smith	do	95 96
	Chas. A. Jansen	do	96
	Thos. A. Caine	do	97
	J. O. Martin	do	160
	Inos A. Came J. O. Martin L. H. Shelfer do R. Carter Ballantyne W. B. Moses & Sons	do	129
12	P. Conton Pollontypo	Intrator do	226
12	W B Moses & Sons	Shades	17
	do	Water cooler	17 5
	Thos. Somerville & Sons		18
	Thos. Somerville & Sons Woodward & Lothrop J. W. Nelson J. O. Belz	Soap, etc Expenses	30
	J. W. Nelson	Expenses	34 60
	J.O. Belz	do	60
	A. H. Snyder	do	67
13	Inos. D. Rice.	Proceeding expenses	174
10	R P Clarke Co	do Traveling expenses Brass tubing, etc Toweling	18 9
	Jas. N. Rupp	Ink, etc	2
	R. P. Andrews & Co	Paper	6
	Hutchinson & McCarthy	Dry ovens, etc	25
	J. O. Belz A. H. Snyder Thos. D. Rice Jas. B. Lambie R. P. Clarke Co Jas. N. Rupp R. P. Andrews & Co Hutchinson & McCarthy Henrietta Burleigh Fredk, Carl	Sacks	25 2
	Fredk. Carl Southern Rwy. Co Eimer & Amend	Paper Dry ovens, etc Sacks Filter pumps Passenger transportation Corks	52
17	Southern Rwy. Co.	Passenger transportation	53
14	do Amena	Class stoppors	6
	do	Glass stoppers Chemicals Tinto glasses Beakers	5 9
	do	Tinto glasses	23
	do Whitall, Tatum & Co do do	Beakers Bottles Test tubes	29 4

Date.	Name.	Nature of payment.	Total.
1903.			
une 17	Whitall, Tatum & Co	Stop cock Bottles Cabinet	\$0.
	Yawman & Erbe Manufacturing Co	Bottles	35. 33.
	Whitall Totum & Co	Beakers	33. 4.
	Whitall, Tatum & Co Library Bureau	Cards	8
	Western Electric Co do W. M. Hinson Boston Gear Works Eberhard Faber	Cards Electrolytic bridges Electric soldering iron	8. 90.
	do	Electric soldering iron	4.
	W. M. Hinson	Traveling expenses	39
19	Boston Gear Works	Gears Bands	2. 5.
23	Eberhard Faber	- Bands	5.
	Whitell Totum & Co	Apparatus Glass tubing, etc Galvanized pipe Linen tags	114.
	E G Schafer & Co	Galvanizad nine	9. 4.
	E. Morrison Paper Co	Linen tags	9.
	R. P. Andrews & Co. (Incorporated)	Bags	2. 35.
	Western Union Telegraph Co	- Service	35.
24	Mobile and Ohio R. R. Co	Bags Service Passenger transportation	54.
	Missouri Pacific Rwy Co	do	14. 17. 28.
	Pennsylvania R. R. Co	do	17.
	Weshington Contholn Pur Co	do	28. 8.
25	Donemore Typewriter Co	Stran for typowriter	
26	The Geo W Knox Express Co	do Strap for typewriter Transportation Lumber	:
	Church & Stephenson	Lumber	51
	Barber & Ross	Files	31. 202. 128. 3. 1. 7
	W. H. Heileman	Expenses	202.
	do	Expenses Traveling expenses Burner Celluloid	128.
	C. A. Muddiman & Co	Burner.	3.
29	Geo. F. Muth & Co	Celluloid	1.
	Limer & Amena	Thermometers Scissors, etc.	ė
30	Clarence W Dorsey	Salary	71.
50	Boston Gear Works Eberhard Faber Eimer & Amend Whitall, Tatum & Co E. G. Schafer & Co E. Morrison Paper Co R. P. Andrews & Co. (Incorporated) Western Union Telegraph Co Mobile and Ohio R. R. Co Missouri Pacific Rwy Co Pennsylvania R. R. Co Oregon R. R. and Navigation Co. Washington Southern Rwy Co Densmore Typewriter Co The Geo. W. Knox Express Co. Church & Stephenson Barber & Ross W. H. Heilemando C. A. Muddiman & Co Geo. F. Muth & Co Eimer & Amend Jas. B. Lambie. Clarence W. Dorsey F. H. King et al.  Total fourth quarter	Salary Salaries	2,550.
	Total fourth quarter		39,944.
	Supplemental.		
fuly 1	A.T. Strahorn	Salary	59.
	Jas. Dills, guardian	Rent	42.
	Jas. Dills, guardian T.H. King	Rent Traveling expenses	42. 46.
	Jas. Dills, guardian T. H. King J. Bishop & Co	Rent Traveling expenses Platinum bottles	42. 46. 204.
a	Jas. Dills, guardian T. H. King J. Bishop & Co. Wyckoff, Seamans & Benedict	Rent Traveling expenses Platinum bottles Paper and ribbons Traveling expenses	42. 46. 204. 5.
2	Jas. Dills, guardian T. H. King J. Bishop & Co Wyckoff, Seamans & Benedict G. T. McNess F. W. Taylor	Rent Traveling expenses Platinum bottles Paper and ribbons Traveling expenses	42. 46. 204. 5. 56. 91.
	Jas. Dills, guardian T. H. King J. Bishop & Co Wyckoff, Seamans & Benedict G. T. McNess F. W. Taylor F. R. Ried	Rent Traveling expenses Platinum bottles Paper and ribbons Traveling expenses do Salary	42. 46. 204. 5. 56. 91. 69.
2	Jas. Dills, guardian T. H. King J. Bishop & Co Wyckoff, Seamans & Benedict G. T. McNess F. W. Taylor F. R. Ried H. W. Marean	Rent Traveling expenses Platinum bottles Paper and ribbons Traveling expenses do Salary do	42. 46. 204. 5. 56. 91. 69. 82.
	Jas. Dills, guardian T. H. King J. Bishop & Co. Wyckoff, Seamans & Benedict G. T. McNess F. W. Taylor F. B. Ried H. W. Marean F. W. Taylor	Rent Traveling expenses Platinum bottles Paper and ribbons Traveling expenses do Salary do do	42. 46. 204. 5. 56. 91. 69. 82. 82.
	Jas. Dills, guardian T. H. King J. Bishop & Co Wyckoff, Seamans & Benedict G. T. McNess F. W. Taylor F. R. Ried H. W. Marean F. W. Taylor G. T. McNess	Rent Traveling expenses Platinum bottles Paper and ribbons Traveling expenses do Salary do do do	42. 46. 204. 5. 56. 91. 69. 82. 82. 247.
	Jas. Dills, guardian T. H. King J. Bishop & Co Wyckoff, Seamans & Benedict G. T. McNess F. W. Taylor F. R. Ried H. W. Marean F. W. Taylor G. T. McNess J. B. Stewart	Rent Traveling expenses Platinum bottles Paper and ribbons Traveling expenses do Salary do do do do do	42. 46. 204. 5. 56. 91. 69. 82. 82. 247.
	Jas. Dills, guardian T. H. King J. Bishop & Co. Wyckoff, Seamans & Benedict G. T. McNess F. W. Taylor F. R. Ried H. W. Marean F. W. Taylor G. T. McNess J. B. Stewart Henry Weinberg	Rent Traveling expenses Platinum bottles Paper and ribbons Traveling expenses do Salary do do do do do do do do	42. 46. 204. 5. 56. 91. 69. 82. 82. 247. 123.
	Jas. Dills, guardian T. H. King J. Bishop & Co. Wyckoff, Seamans & Benedict G. T. McNess F. W. Taylor F. R. Ried H. W. Marean F. W. Taylor G. T. McNess J. B. Stewart Henry Weinberg J. O. Belz	Rent Traveling expenses Platinum bottles Paper and ribbons Traveling expenses do Salary do	42. 46. 204. 5. 56. 91. 69. 82. 247. 123. 98. 98.
	Jas. Dills, guardian T. H. King J. Bishop & Co. Wyckoff, Seamans & Benedict G. T. McNess F. W. Taylor F. R. Ried H. W. Marean F. W. Taylor G. T. McNess J. B. Stewart Henry Weinberg J. O. Belz R. T. A. Burke T. A. Caine	Rent Traveling expenses Platinum bottles Paper and ribbons Traveling expenses do Salary do	42. 46. 204. 5. 56. 91. 69. 82. 247. 123. 98. 98.
	Jas. Dills, guardian T. H. King J. Bishop & Co. Wyckoff, Seamans & Benedict G. T. McNess F. W. Taylor F. R. Ried H. W. Marean F. W. Taylor G. T. McNess J. B. Stewart Henry Weinberg J. O. Belz R. T. A. Burke T. A. Caine E. O. Fippin	Rent Traveling expenses Platinum bottles Paper and ribbons Traveling expenses do Salary do	42. 46. 204. 5. 56. 91. 69. 82. 247. 123. 98. 98. 98.
	Jas. Dills, guardian T. H. King J. Bishop & Co. Wyckoff, Seamans & Benedict G. T. McNess F. W. Taylor F. R. Ried H. W. Marean F. W. Taylor G. T. McNess J. B. Stewart Henry Weinberg J. O. Belz R. T. A. Burke T. A. Caine E. O. Fippin J. E. Lapham	Rent Traveling expenses Platinum bottles Paper and ribbons Traveling expenses do Salary do	42, 46, 204, 5, 56, 91, 69, 82, 82, 247, 123, 98, 98, 98, 98,
	Jas. Dills, guardian T. H. King J. Bishop & Co. Wyckoff, Seamans & Benedict G. T. McNess F. W. Taylor F. R. Ried H. W. Marean F. W. Taylor G. T. McNess J. B. Stewart Henry Weinberg J. O. Belz R. T. A. Burke T. A. Caine E. O. Fippin J. E. Lapham J. O. Martin	Rent Traveling expenses Platinum bottles Paper and ribbons Traveling expenses do Salary do	42. 46. 204. 5. 56. 91. 69. 82. 247. 123. 98. 98. 98.
	Jas. Dills, guardian T. H. King J. Bishop & Co. Wyckoff, Seamans & Benedict G. T. McNess F. W. Taylor F. R. Ried H. W. Marean F. W. Taylor G. T. McNess J. B. Stewart Henry Weinberg J. O. Belz R. T. A. Burke T. A. Caine E. O. Fippin J. E. Lapham J. O. Martin E. H. Mathewson	Rent Traveling expenses Platinum bottles Paper and ribbons Traveling expenses do Salary do	42. 46. 204. 5. 56. 91. 69. 82. 82. 247. 123. 98. 98. 98.
	Jas. Dills, guardian T. H. King J. Bishop & Co. Wyckoff, Seamans & Benedict G. T. McNess F. W. Taylor F. R. Ried H. W. Marean F. W. Taylor G. T. McNess J. B. Stewart Henry Weinberg J. O. Belz R. T. A. Burke T. A. Caine E. O. Fippin J. E. Lapham J. O. Martin E. H. Mathewson A. H. Prince	Rent Traveling expenses Platinum bottles Paper and ribbons Traveling expenses do Salary do	42, 46, 204, 5, 56, 91, 169, 82, 82, 82, 247, 123, 98, 98, 98, 98, 98, 98, 98, 98,
	Jas. Dills, guardian T. H. King J. Bishop & Co. Wyckoff, Seamans & Benedict G. T. McNess F. W. Taylor F. R. Ried H. W. Marean F. W. Taylor G. T. McNess J. B. Stewart Henry Weinberg J. O. Belz R. T. A. Burke T. A. Caine E. O. Fippin J. E. Lapham J. O. Martin E. H. Mathewson A. H. Prince H. J. Wilder H. J. Wilder H. J. Wilder H. J. Wilder	Rent Traveling expenses Platinum bottles Paper and ribbons Traveling expenses  do Salary  do	42, 46, 204, 55, 56, 691, 69, 82, 82, 247, 123, 98, 98, 98, 98, 98, 98, 98, 98, 98, 98
	Jas. Dills, guardian T. H. King J. Bishop & Co Wyckoff, Seamans & Benedict G. T. McNess F. W. Taylor F. B. Ried H. W. Marean F. W. Taylor G. T. McNess J. B. Stewart Henry Weinberg J. O. Belz R. T. A. Burke T. A. Caine E. O. Fippin J. E. Lapham J. O. Martin E. H. Mathewson A. H. Prince H. J. Wilder L. W. Ayer G. I. Ayers	Rent Traveling expenses Platinum bottles Paper and ribbons Traveling expenses do Salary do	42. 46. 204. 5. 56. 69. 91. 69. 82. 247. 7. 123. 98. 98. 98. 98. 98. 98. 98. 98.
	Jas. Dills, guardian T. H. King J. Bishop & Co. Wyckoff, Seamans & Benedict G. T. McNess F. W. Taylor F. R. Ried H. W. Marean F. W. Taylor G. T. McNess J. B. Stewart Henry Weinberg J. O. Belz R. T. A. Burke T. A. Caine E. O. Fippin J. E. Lapham J. O. Martin E. H. Mathewson A. H. Prince H. J. Wilder L. W. Ayer O. L. Ayers Frank Bennett ir	Rent Traveling expenses Platinum bottles Paper and ribbons Traveling expenses do Salary do	42, 46, 204, 55, 56, 691, 69, 82, 247, 123, 98, 98, 98, 98, 98, 98, 98, 82, 82, 82, 82, 82, 82, 82, 82, 82, 8
	Jas. Dills, guardian T. H. King J. Bishop & Co. Wyckoff, Seamans & Benedict G. T. McNess F. W. Taylor F. R. Ried H. W. Marean F. W. Taylor G. T. McNess J. B. Stewart Henry Weinberg J. O. Belz R. T. A. Burke T. A. Caine E. O. Fippin J. E. Lapham J. O. Martin E. H. Mathewson A. H. Prince H. J. Wilder L. W. Ayer O. L. Ayers Frank Bennett, jr F. E. Bonsteel	Rent Traveling expenses Platinum bottles Paper and ribbons Traveling expenses do Salary do	42, 46, 46, 204, 5, 5, 56, 6, 91, 69, 82, 82, 247, 123, 98, 98, 98, 98, 98, 98, 82, 82, 82, 82, 82, 82, 82, 82, 82, 8
	Jas. Dills, guardian T. H. King J. Bishop & Co Wyckoff, Seamans & Benedict G. T. McNess F. W. Taylor F. R. Ried H. W. Marean F. W. Taylor G. T. McNess J. B. Stewart Henry Weinberg J. O. Belz R. T. A. Burke T. A. Caine E. O. Fippin J. E. Lapham J. O. Martin E. H. Mathewson A. H. Prince H. J. Wilder L. W. Ayer O. L. Ayers Frank Bennett, jr F. E. Bonsteel J. L. Burgess	Rent Traveling expenses Platinum bottles Paper and ribbons Traveling expenses do Salary do	42. 46. 46. 204. 5. 56. 91. 69. 82. 247. 123. 98. 98. 98. 98. 98. 82. 82. 82. 82. 82. 82. 82. 82. 82. 8
	Jas. Dills, guardian T. H. King J. Bishop & Co. Wyckoff, Seamans & Benedict G. T. McNess F. W. Taylor F. R. Ried H. W. Marean F. W. Taylor G. T. McNess J. B. Stewart Henry Weinberg J. O. Belz R. T. A. Burke T. A. Caine E. O. Fippin J. E. Lapham J. O. Martin E. H. Mathewson A. H. Prince H. J. Wilder L. W. Ayer O. L. Ayers Frank Bennett, jr F. E. Bonsteel J. L. Burgess E. P. Carr	Rent Traveling expenses Platinum bottles Paper and ribbons Traveling expenses do Salary do	42. 46. 46. 91. 5. 5. 69. 82. 247. 123. 98. 98. 98. 98. 98. 82. 82. 82. 82. 82. 82. 82. 82.
	Jas. Dills, guardian T. H. King J. Bishop & Co. Wyckoff, Seamans & Benedict G. T. McNess F. W. Taylor F. R. Ried H. W. Marean F. W. Taylor G. T. McNess J. B. Stewart Henry Weinberg J. O. Belz R. T. A. Burke T. A. Caine E. O. Fippin J. E. Laphan J. O. Martin E. H. Mathewson A. H. Prince H. J. Wilder L. W. Ayer O. L. Ayers Frank Bennett, jr F. E. Bonsteel J. L. Burgess E. P. Carr M. E. Carr	Rent Traveling expenses Platinum bottles Paper and ribbons Traveling expenses do Salary do	42. 46. 6. 91. 69. 82. 247. 123. 98. 98. 98. 98. 98. 82. 82. 82. 82. 82. 82. 82. 82. 82. 8
	Jas. Dills, guardian T. H. King J. Bishop & Co. Wyckoff, Seamans & Benedict G. T. McNess F. W. Taylor F. R. Ried H. W. Marean F. W. Taylor G. T. McNess J. B. Stewart Henry Weinberg J. O. Belz R. T. A. Burke T. A. Caine E. O. Fippin J. E. Lapham J. O. Martin E. H. Mathewson A. H. Prince H. J. Wilder L. W. Ayer O. L. Ayers Frank Bennett, jr F. E. Bonsteel J. L. Burgess E. P. Carr W. T. Carter, jr	Rent Traveling expenses Platinum bottles Paper and ribbons Traveling expenses do Salary do	42. 46. 46. 204. 5. 56. 91. 69. 82. 247. 123. 98. 98. 98. 98. 98. 82. 82. 82. 82. 82. 82.
	Jas. Dills, guardian T. H. King J. Bishop & Co. Wyckoff, Seamans & Benedict G. T. McNess F. W. Taylor F. R. Ried H. W. Marean F. W. Taylor G. T. McNess J. B. Stewart Henry Weinberg J. O. Belz R. T. A. Burke T. A. Caine E. O. Fippin J. E. Lapham J. O. Martin E. H. Mathewson A. H. Prince H. J. Wilder L. W. Ayer O. L. Ayers Frank Bennett, jr F. E. Bonsteel J. L. Burgess E. P. Carr M. E. Carr W. T. Carter, jr C. W. Ely	Rent Traveling expenses Platinum bottles Paper and ribbons Traveling expenses do Salary do	42. 46. 5. 56. 91. 69. 82. 247. 123. 98. 98. 98. 98. 98. 82. 82. 82. 82. 82. 82. 82. 82. 82. 8
	Jas. Dills, guardian T. H. King J. Bishop & Co. Wyckoff, Seamans & Benedict G. T. McNess F. W. Taylor F. R. Ried H. W. Marean F. W. Taylor G. T. McNess J. B. Stewart Henry Weinberg J. O. Belz R. T. A. Burke T. A. Caine E. O. Fippin J. E. Lapham J. O. Martin E. H. Mathewson A. H. Prince H. J. Wilder L. W. Ayer O. L. Ayers. Frank Bennett, jr F. E. Bonsteel J. L. Burgess E. P. Carr W. T. Carter, jr C. W. Ely W. J. Geib	Rent Traveling expenses Platinum bottles Paper and ribbons Traveling expenses do Salary do	42. 46. 204. 5. 5. 5. 69. 82. 82. 247. 123. 98. 98. 98. 98. 82. 82. 82. 82. 82. 82. 82. 82. 82. 8
	Jas. Dills, guardian T. H. King J. Bishop & Co. Wyckoff, Seamans & Benedict G. T. McNess F. W. Taylor F. R. Ried H. W. Marean F. W. Taylor G. T. McNess J. B. Stewart Henry Weinberg J. O. Belz R. T. A. Burke T. A. Caine E. O. Fippin J. E. Lapham J. O. Martin E. H. Mathewson A. H. Prince H. J. Wilder L. W. Ayer O. L. Ayers Frank Bennett, jr F. E. Bonsteel J. L. Burgess E. P. Carr M. E. Carr W. T. Carter, jr C. W. Ely W. J. Geib Lewis Griswold W. E. H. H. Henry W. D. L. L. Carley W. J. Geib Lewis Griswold	Rent Traveling expenses Platinum bottles Paper and ribbons Traveling expenses do Salary do	42. 46. 204. 5. 5. 69. 82. 247. 123. 98. 98. 98. 98. 98. 82. 82. 82. 82. 82. 82. 82. 82. 82. 8
	Jas. Dills, guardian T. H. King J. Bishop & Co. Wyckoff, Seamans & Benedict G. T. McNess F. W. Taylor F. R. Ried H. W. Marean F. W. Taylor G. T. McNess J. B. Stewart Henry Weinberg J. O. Belz R. T. A. Burke T. A. Caine E. O. Fippin J. E. Lapham J. O. Martin E. H. Mathewson A. H. Prince H. J. Wilder L. W. Ayer O. L. Ayers Frank Bennett, jr F. E. Bonsteel J. L. Burgess E. P. Carr M. E. Carr W. T. Carter, jr C. W. Ely W. J. Geib Lewis Griswold W. E. Hearn L. C. Hogenson	Rent Traveling expenses Platinum bottles Paper and ribbons Traveling expenses do Salary do	42. 46.6 204. 5.5 56.91. 69.1 82.2 247. 123. 98. 98. 98. 98. 98. 82. 82. 82. 82. 82. 82. 82. 82. 82. 8
	Jas. Dills, guardian T. H. King J. Bishop & Co Wyckoff, Seamans & Benedict G. T. McNess F. W. Taylor F. R. Ried H. W. Marean F. W. Taylor G. T. McNess J. B. Stewart Henry Weinberg J. O. Belz R. T. A. Burke T. A. Caine E. O. Fippin J. E. Laplam J. O. Martin E. H. Mathewson A. H. Prince H. J. Wilder L. W. Ayer O. L. Ayers Frank Bennett, jr F. E. Bonsteel J. L. Burgess E. P. Carr W. T. Carter, jr C. W. Ely W. J. Geib Lewis Griswold W. E. Hearn J. C. Hogenson G. R. Jones	Rent Traveling expenses Platinum bottles Paper and ribbons Traveling expenses do Salary do	42. 46. 46. 204 5. 56. 91. 69. 82. 82. 247. 123. 98. 98. 98. 98. 98. 82. 82. 82. 82. 82. 82. 82. 82. 82. 8
	Jas. Dills, guardian T. H. King J. Bishop & Co. Wyckoff, Seamans & Benedict G. T. McNess F. W. Taylor F. R. Ried H. W. Marean F. W. Taylor G. T. McNess J. B. Stewart Henry Weinberg J. O. Belz R. T. A. Burke T. A. Caine E. O. Fippin J. E. Lapham J. O. Martin E. H. Mathewson A. H. Prince H. J. Wilder L. W. Ayer O. L. Ayers Frank Bennett, jr F. E. Bonsteel J. L. Burgess E. P. Carr M. T. Carter, jr C. W. Ely W. J. Geib Lewis Griswold W. E. Hearn J. C. Hogenson G. B. Jones W. H. Knox	Rent Traveling expenses Platinum bottles Paper and ribbons Traveling expenses do Salary do	42. 46. 46. 204. 5. 5. 69. 91. 69. 82. 247. 123. 98. 98. 98. 98. 82. 82. 82. 82. 82. 82. 82. 82. 82. 8
	Jas. Dills, guardian T. H. King J. Bishop & Co. Wyckoff, Seamans & Benedict G. T. McNess F. W. Taylor F. R. Ried H. W. Marean F. W. Taylor G. T. McNess J. B. Stewart Henry Weinberg J. O. Belz R. T. A. Burke T. A. Caine E. O. Fippin J. E. Lapham J. O. Martin E. H. Mathewson A. H. Prince H. J. Wilder L. W. Ayer O. L. Ayers Frank Bennett, jr F. E. Bonsteel J. L. Burgess E. P. Carr W. T. Carter, jr C. W. Ely W. J. Geib Lewis Griswold W. E. Hearn J. C. Hogenson G. B. Jones W. H. Knox A. E. Kocher	Rent	42.4 46.6 204.5.5 56.6 91.1 69.1 82.2 247.123.98.98.98.98.98.98.82.82.82.82.82.82.82.82.82.82.82.82.82
	Jas. Dills, guardian T. H. King J. Bishop & Co. Wyckoff, Seamans & Benedict G. T. McNess F. W. Taylor F. R. Ried H. W. Marean F. W. Taylor G. T. McNess J. B. Stewart Henry Weinberg J. O. Belz R. T. A. Burke T. A. Caine E. O. Fippin J. E. Lapham J. O. Martin E. H. Mathewson A. H. Prince H. J. Wilder L. W. Ayer O. L. Ayers Frank Bennett, jr F. E. Bonsteel J. L. Burgess E. P. Carr W. T. Carter, jr C. W. Ely W. J. Geib Lewis Griswold W. E. Hearn J. C. Hogenson G. B. Jones W. H. Knox A. E. Kocher W. E. McLendon	Rent Traveling expenses Platinum bottles Paper and ribbons Traveling expenses do Salary do	42. 46. 46. 204. 5. 56. 91. 69. 82. 247. 123. 98. 98. 98. 98. 98. 82. 82. 82. 82. 82. 82. 82. 82. 82. 8
	Jas. Dills. guardian T. H. King J. Bishop & Co Wyckoff, Seamans & Benedict G. T. McNess F. W. Taylor F. R. Ried H. W. Marean F. W. Taylor G. T. McNess J. B. Stewart Henry Weinberg J. O. Belz R. T. A. Burke T. A. Caine E. O. Fippin J. E. Lapham J. O. Martin E. H. Mathewson A. H. Prince H. J. Wilder L. W. Ayer O. L. Ayers Frank Bennett, jr F. E. Bonsteel J. L. Burgess E. P. Carr W. T. Carter, jr C. W. Ely W. J. Geib Lewis Griswold W. E. Hearn J. C. Hogenson G. B. Jones	Rent Traveling expenses Platinum bottles Paper and ribbons Traveling expenses do Salary do	
	Jas. Dills, guardian T. H. King J. Bishop & Co. Wyckoff, Seamans & Benedict G. T. McNess F. W. Taylor F. R. Ried H. W. Marean F. W. Taylor G. T. McNess J. B. Stewart Henry Weinberg J. O. Belz R. T. A. Burke T. A. Caine E. O. Fippin J. E. Lapham J. O. Martin E. H. Mathewson A. H. Prince H. J. Wilder L. W. Ayer O. L. Ayers Frank Bennett, jr F. E. Bonsteel J. L. Burgess E. P. Carr M. T. Carter, jr C. W. Ely W. J. Geib Lewis Griswold W. E. Hearn J. C. Hogenson G. B. Jones W. H. Knox A. E. Kocher W. E. Macken W. Mackte A. W. Mackte A. W. Mangum F. N. Meeker N. P. Neill	Rent Traveling expenses Platinum bottles Paper and ribbons Traveling expenses do Salary do	42. 46.6 204. 5. 5. 691. 691. 82. 247. 123. 98. 98. 98. 98. 98. 82. 82. 82. 82. 82. 82. 82. 82. 82. 8

03.7 3	Supplemental—Continued.  J. W. Nelson A. H. Snyder T. D. Rice A. S. Root A. M. Sanchez La Mott Ruhlin W. C. Palmer J. C. Bridwell J. A. Drake Harry Rich A. T. Sweet H. L. Belden L. Carl Holmes W. S. Lyman F. C. Schroeder F. D. Stevens F. R. Pember J. F. Warner H. A. Clark W. J. Wood J. L. Gill Rudolph Boss C. J. Mann L. H. Selfer W. M. Hinson G. B. Massey W. W. Cobey C. A. Jensen M. H. Lapham Louis Mesmer J. A. Pierpoint Z. D. Gilman Louis Mesmer J. A. Pierpoint Z. D. Gilman L. H. Selfer M. H. Lapham Louis Mesmer J. A. Pierpoint Z. D. Gilman L. H. Selfer M. M. Hispon M. H. Lapham Louis Mesmer J. A. Pierpoint Z. D. Gilman L. H. Selfer M. M. Hispon Louis Mesmer J. A. Pierpoint Z. D. Gilman L. H. Selfer Louis Mesmer J. A. Pierpoint L. D. Gilman L. H. Selfer Louis Mesmer J. A. Pierpoint L. D. Gilman L. D. Gilman L. D. Gilman L. H. Lapham L. D. Gilman L. D. L. Selbar L.	Salary	\$82 82 82 82 82 82 82 82 82 82 69 69 59 59 59 59 59 59 59 59 59 59 59 59 59
)3. 7 3	J. W. Nelson A. H. Snyder T. D. Rice A. S. Root A. M. Sanchez La Mott Ruhlin W. C. Palmer J. C. Bridwell J. A. Drake Harry Rich A. T. Sweet H. L. Belden L. Carl Holmes W. S. Lyman F. C. Schroeder F. D. Stevens F. R. Pember J. F. Warner H. A. Clark W. J. Wood J. L. Gill Rudolph Boss C. J. Mann L. H. Selfer W. M. Hinson G. B. Massey W. W. Cobey. C. A. Jensen	Salary	82 82 82 82 82 82 74 69 69 69 59 59 59 59 59 59 59 59 59 59 59 59 59
7 8	J. W. Nelson A. H. Snyder T. D. Rice A. S. Root A. M. Sanchez La Mott Ruhlin W. C. Palmer J. C. Bridwell J. A. Drake Harry Rich A. T. Sweet H. L. Belden L. Carl Holmes W. S. Lyman F. C. Schroeder F. R. Dember J. F. Warner H. A. Clark W. J. Wood J. L. Gill Rudolph Boss C. J. Mann L. H. Selfer W. M. Hinson G. B. Massey W. W. Cobey C. A. Jensen	Salary	82 82 82 82 82 82 74 69 69 69 59 59 59 59 59 59 59 59 59 59 59 59 59
	A. H. Shyder T. D. Rice A. S. Root A. M. Sanchez La Mott Ruhlin W. C. Palmer J. C. Bridwell J. A. Drake Harry Rich A. T. Sweet H. L. Belden L. Carl Holmes W. S. Lyman F. C. Schroeder F. D. Stevens F. R. Pember J. F. Warner H. A. Clark W. J. Wood J. L. Gill Rudolph Boss C. J. Mann L. H. Selfer W. M. Hinson G. B. Massey W. W. Cobey C. A. Jensen	do	82 82 82 82 82 82 82 69 69 59 59 59 50 50 44 25
	A. S. Root A. M. Sanchez La Mott Ruhlin W. C. Palmer J. C. Bridwell J. A. Drake Harry Rich A. T. Sweet H. L. Belden L. Carl Holmes W. S. Lyman F. C. Schroeder F. D. Stevens F. R. Pember J. F. Warner H. A. Clark W. J. Wood J. L. Gill Rudolph Boss C. J. Mann L. H. Selfer W. M. Hinson G. B. Massey W. W. Cobey C. A. Jensen	do	82 82 82 82 82 82 82 69 69 59 59 59 50 50 44 25
	A. M. Sanchez La Mott Ruhlin W. C. Palmer J. C. Bridwell J. A. Drake Harry Rich A. T. Sweet H. L. Belden L. Carl Holmes W. S. Lyman F. C. Schroeder F. D. Stevens F. R. Pember J. F. Warner H. A. Clark W. J. Wood J. L. Gill Rudolph Boss C. J. Mann L. H. Selfer W. M. Hinson G. B. Massey W. W. Cobey C. A. Jensen		82 82 74 70 69 69 59 59 59 59 59 50 44 25
	La Mott Ruhlin W. C. Palmer J. C. Bridwell J. A. Drake Harry Rich A. T. Sweet H. L. Belden L. Carl Holmes W. S. Lyman F. C. Schroeder F. D. Stevens F. R. Pember J. F. Warner H. A. Clark W. J. Wood J. L. Gill Rudolph Boss C. J. Mann L. H. Selfer W. M. Hinson G. B. Massey W. W. Cobey. C. A. Jensen		52 740 769 699 699 599 599 599 590 500 400 25
	W. C. Palmer J. C. Bridwell J. A. Drake Harry Rich A. T. Sweet H. L. Belden L. Carl Holmes W. S. Lyman F. C. Schroeder F. D. Stevens F. R. Pember J. F. Warner H. A. Clark W. J. Wood J. L. Gill Rudolph Boss C. J. Mann L. H. Selfer W. M. Hinson G. B. Massey W. W. Cobey C. A. Jensen		74 70 69 69 69 59 59 59 59 50 40 25
	J. C. Bridwell J. A. Drake Harry Rich A. T. Sweet H. L. Belden L. Carl Holmes W. S. Lyman F. C. Schroeder F. D. Stevens F. R. Pember J. F. Warner H. A. Clark W. J. Wood J. L. Gill Rudolph Boss C. J. Mann L. H. Selfer W. M. Hinson G. B. Massey W. W. Cobey C. A. Jensen	do   do   do   do   do   do   do   do	70 699 699 59 59 59 59 50 50 40 25
	J. A. Drake Harry Rich A. T. Sweet H. L. Belden L. Carl Holmes W. S. Lyman F. C. Schroeder F. D. Stevens F. R. Pember J. F. Warner H. A. Clark W. J. Wood J. L. Gill Rudolph Boss C. J. Mann L. H. Selfer W. M. Hinson G. B. Massey W. W. Cobey. C. A. Jensen	do   do   do   do   do   do   do   do	69 59 59 59 59 59 50 50 40 25
	Harry Rich A. T. Sweet H. L. Belden L. Carl Holmes W. S. Lyman F. C. Schroeder F. D. Stevens F. R. Pember J. F. Warner H. A. Clark W. J. Wood J. L. Gill Rudolph Boss C. J. Mann L. H. Selfer W. M. Hinson G. B. Massey W. W. Cobey C. A. Jensen	do   do   do   do   do   do   do   do	69 59 59 59 59 59 50 50 40 25
	A. T. Sweet H. L. Belden L. Carl Holmes W. S. Lyman F. C. Schroeder F. D. Stevens F. R. Pember J. F. Warner H. A. Clark W. J. Wood J. L. Gill Rudolph Boss C. J. Mann L. H. Selfer W. M. Hinson G. B. Massey W. W. Cobey C. A. Jensen		59 59 59 59 59 50 50 40 25
	H. L. Better W. S. Lyman F. C. Schroeder F. D. Stevens F. R. Pember J. F. Warner H. A. Clark W. J. Wood J. L. Gill Rudolph Boss C. J. Mann L. H. Selfer W. M. Hinson G. B. Massey W. W. Cobey C. A. Jensen	do d	59 59 59 59 59 50 50 40 25
	W.S. Lyman F. C. Schroeder F. D. Stevens F. R. Pember J. F. Warner H. A. Clark W. J. Wood J. L. Gill Rudolph Boss C. J. Mann L. H. Selfer W. M. Hinson G. B. Massey W. W. Cobey C. A. Jensen	do d	59 59 59 59 50 50 40 25 25
	F. C. Schroeder F. D. Stevens F. R. Pember J. F. Warner H. A. Clark W. J. Wood J. L. Gill Rudolph Boss C. J. Mann L. H. Selfer W. M. Hinson G. B. Massey W. W. Cobey. C. A. Jensen		59 59 59 50 50 40 25
	F. D. Stevens F. R. Pember J. F. Warner H. A. Clark W. J. Wood J. L. Gill Rudolph Boss C. J. Mann L. H. Selfer W. M. Hinson G. B. Massey W. W. Cobey C. A. Jensen	do	59 59 59 50 50 40 25 25
	F. R. Pember J. F. Warner H. A. Clark W. J. Wood J. L. Gill Rudolph Boss C. J. Mann L. H. Selfer W. M. Hinson G. B. Massey W. W. Cobey C. A. Jensen	do	59 50 50 50 40 25 25
	J. F. Warner H. A. Clark W. J. Wood J. L. Gill Rudolph Boss C. J. Mann L. H. Selfer W. M. Hinson G. B. Massey W. W. Cobey C. A. Jensen	do	50 50 40 25 25
	H. A. Clark W. J. Wood J. L. Gill Rudolph Boss C. J. Mann L. H. Selfer W. M. Hinson G. B. Massey W. W. Cobey C. A. Jensen	do	50 40 25 25
more a company and the company	W. J. Wood J. L. Gill Rudolph Boss C. J. Mann L. H. Selfer W. M. Hinson G. B. Massey W. W. Cobey C. A. Jensen	do	40 25 25
	J. L. Gill Rudolph Boss C. J. Mann L. H. Selfer W. M. Hinson G. B. Massey W. W. Cobey C. A. Jensen		25 25
	Kudophi Boss C. J. Mann L. H. Selfer W. M. Hinson G. B. Massey W. W. Cobey C. A. Jensen		25
	W. M. Hinson G. B. Massey W. W. Cobey C. A. Jensen	do do do	
	W. M. Hinson G. B. Massey W. W. Cobey C. A. Jensen	do	
	G. B. Massey W. W. Cobey C. A. Jensen	do	148
	W. W. Cobey C. A. Jensen		148
	C. A. Jensen	do	128
		do	115
	M. H. Lapham	do	115
	Louis Mesmer	do	115
7	J. A. Pierpoint	Copper frames	115 115 2 8
	Z. D. Gilmando	Stopcocks Tubing, etc	62
	The M Lindsey Rubber Co	Ico hage	8
	Hutchinson & McCarthy	Water bath	11
9	J. W. Nelson	Traveling expenses	9
	do	Expenses	19
	W. C. Palmer	do	25
	A. H. Snyder	do	20
	J. O. Belz	do	32
	J. A. Bonsteel	Traveling expenses	108
	J. C. Bridwell	do	$\frac{10}{124}$
	H I Wilder	do	110
	F. E. Bonsteel	do	69
	do The M. Lindsay Rubber Co Hutchinson & McCarthy J. W. Nelson do W. C. Palmer A. H. Snyder J. O. Belz J. A. Bonsteel J. C. Bridwell W. E. Hearn H. J. Wilder F. E. Bonsteel A. W. Mangum R. T. A. Burke G. B. Massey	do	68 107 109
	R. T. A. Burke	do	109
	G. B. Massey	do	68
	J. E. Lapham	do	68 148 191
	Louis Mesmer	do	191
	R. T. A. Burke G. B. Massey J. E. Lapham Louis Mesmer T. D. Rice M. H. Lapham A. M. Sanchez H. W. Marean Frank Bennett, jr J. G. Holmes C. A. Jensen T. A. Caine	do	101
	A M Sanchag	do	84 160
	H. W. Marean	do	128
	Frank Bennett, ir	do	120
	J. G. Holmes	dodo	137
	C. A. Jensen	do	119
	T. A. Caine E. O. Fippin J. O. Martin	do	90
	E.O. Fippin	do	117 128
10	J. U. Martin	do	125
10	W.G. Smith	do	108
11	W.H.Knox W.H.Hileman	Expanses	18
			109
	A. T. Strahorn Northrup, King & Co M. P. Bush Western Electric Co	do	13
13	Northrup, King & Co	Potatoes	15 25
	M. P. Bush	Soap Electric thermometers	-
	Western Electric Co	Electric thermometers	35
	H.J.Green Houghton & Delano	Soil	24
	Houghton & Delano	Photo supplies	14
	E. J. Pullman	Brass pulleys Gas cocks Traveling expenses	5
	do.	Gog cooks	2
1	F K Cameron	Traveling expenses	15
15	The Modern Machine Works Co	Water registers	400
20	Library Bureau	Guides	*00
	Torsion Balance Co	Weights, etc.	5
	E.J. Pullman Fredk. Carl do F. K. Cameron The Modern Machine Works Co Library Bureau Torsion Balance Co W. W. Clark & Son J. C. Bridwell G. N. Coffey	Weights, etc Elf black Traveling expensesdo	- (
	J. C. Bridwell	Traveling expenses	17

## $Expenditures of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30, 1903-{\bf Cont'd}.$

Date.	Name.	Nature of payment.	Total
1000	Supplemental-Continued.		
1903.	W. W. Cobey A. S. Dam Atlantic Coast Line R. R. Co Cincinnati Northern R. R. Co Norfolk and Western Rwy. Co Northern Pacific Rwy. Co Southern Rwy. Co Thos. Somerville & Sons M. Du Perow do R. C. Ballantyne Chicago Laboratory Supply and Scale Co	Treveling expenses	\$20
uly 15	A. S. Dam	Bicvele	30.
16	Atlantic Coast Line R. R. Co	Passenger transportation	13
	Cincinnati Northern R. R. Co	do	28 17
	Norfolk and Western Rwy. Co	do	17
	Northern Pacific Rwy. Co.	do	110
	Thos Somerville & Sons	Plugs	38
	M. Du Perow	Tape, etc	1
	do	Pocket bussers	$\frac{1}{2}$
10	do R. C. Ballantyne Chicago Laboratory Supply and Scale Co. Queen & Co. (Inc.) do The Geo. W. Knox Express Co. A. H. Thomas Co. Eimer & Co. Eimer & Amend Woodward & Lothrop W. M. Hinson Mackall & Bros	Notebooks	1
18 20	Queen & Co (Inc.)	Stand, tape, etc Weights, etc	22 28
140	do	Carbon tubes	3
	The Geo. W. Knox Express Co	Carbon tubes Transportation	
	A. H. Thomas Co	Pipettes. Chemicals	16
	Merck & Co	Jars, etc.	4 5
	Woodward & Lothrop	Pails	9
	W. M. Hinson	Traveling expenses	9.
	Mackall & Bros	Chemicals	1
	do	Pails Traveling expenses Chemicalsdo	26
	do	do Tubing Chisel, etc	3 6.
21	Rudolph West & Co	Chisel etc	6.
-	G. N. Saegmueller	Repairs to compass	4
22	Whitall, Tatum & Co do Rudolph, West & Co G. N. Saegmueller J. R. Collins T. H. Means L. H. Shelfer Underwood Typewriter Co J. B. Stewart D. F. Parker Jno. C. Parker The Electric Storage Battery Co Chesapeake and Potomac Telephone Co Washington Gaslight Co do Potomac Electric Power Co J. D. Frazee	Chisel, etc. Repairs to compass Bags Traveling expensesdo Typewriter Traveling expenses Typewriter paper	56.
	T. H. Means	Traveling expenses	37.
24	L. H. Sneller Underwood Typowriter Co	Typowritor	178 87 12
WX.	J. B. Stewart	Traveling expenses	12
	D. F. Parker	Typewriter paper Paste erasers Electric supplies Telephone service	1.
	Jno. C. Parker	Paste erasers	14 10
28 29	The Electric Storage Battery Co	Electric supplies	10
29	Washington Gaslight Co	German Service	6. 9.
	do	do	1.
	Potomac Electric Power Co	Gasdo Electric current.	
	do	do	6.
	GO J. D. Frazee R. C. Ballantyne Z. D. Gilman Jos. Dixon Crucible Co Barber & Ross J. O. Martin	Laundry Tags	8.
ug. 4	Z. D. Gilman	Tuhing	4.
17	Jos. Dixon Crucible Co	1 pound graphite	1.
20	Barber & Ross	Latches	7
ept. 3	J. O. Martin	Traveling expenses	13.
10 18	E. Morrison Paper Co	Paper	24.
10	Western Union Telegraph Co	do	1 22
	Washington Southern Rwy, Co	Transportation	8
	Pennsylvania R. R. Co	do	73. 41.
	Great Northern Rwy. Co	do	41.
	Houston East and West Texas Rwy	do	19
	Oregon Short Line R. R. Co	do	2.
	Oregon Railroad and Navigation Co	do	25.
19	Chicago, Milwaukee and St. Paul Rwy. Co.	do	40.
	N. do	do	8. 14.
	Northern Pacine Rwy. Co	do	14.
	Chicago and Northwestern Rwy Co	do	4. 64.
	Chesapeake and Ohio Rwy. Co	do	60.
	Atlantic Coast Line R. R. Co	do	24.
	Southern Rwy. Co	do	14.
	Chicago and Alton Rwy Co	do	12.
22	Pennsylvania R. R. Co	do	5.
et. 10	Postal Telegraph Cable Co	Telegraph service	1.
	Blue Line Transfer Co	Transportation	1.
	United States Express Co	do	139.
	J. D. Frazee R. C. Ballantyne R. C. Ballantyne R. C. Ballantyne Z. D. Gilman Jos. Dixon Crucible Co Barber & Ross J. O. Martin E. Morrison Paper Co Postal Telegraph Cable Co Western Union Telegraph Co Washington Southern Rwy. Co Pennsylvania R. R. Co Great Northern Rwy. Co Pennsylvania R. R. Co Great Northern Rwy. Co Houston East and West Texas Rwy Texas and New Orleans R. R. Co Oregon Short Line R. R. Co Oregon Railroad and Navigation Co Chicago, Milwaukee and St. Paul Rwy. Co do Northern Pacific Rwy. Co Chicago and Northwestern Rwy. Co Chesapeake and Ohio Rwy. Co Atlantic Coast Line R. R. Co Southern Rwy. Co Seaboard Air Line Rwy Chicago and Alton Rwy. Co Pennsylvania R. R. Co Postal Telegraph Cable Co Blue Line Transfer Co United States Express Co		11,013.
	RECAPITULA'	TION.	010 800
econd o	RECAPITULA' quarter quarter quarter quarter quarter quarter		\$18,728. 25,739. 28,025. 39,944.
hird or	arter		28, 025.
ourth c	luarter		39, 944.
upplem	ental		11,013.
or b brown			

### Expenditures of Department of Agriculture for year ending June 30, 1903—Cont'd. SOILS INVESTIGATIONS.

Date.	Name.	Nature of payment.	Total.
1902. Aug. 4 Sept. 4	Jno.F.Sheado	Rent of building	\$110.00 110.00
	Total first quarter		220.00
Oct. 3 Nov. 1 Dec. 1	Jno. F. Sheado	do	110.00
	Total second quarter		330.00
1903. Jan. 3 Feb. 2 Mar. 3	Jno.F. Sheado	do	110.00
	Total third quarter		330.00
Apr. 1 May 1 June 2	Walter A. Brown Jno. F. Shea Walter A. Brown Jno. F. Shea	do dododo	110.00 50.00 110.00 110.00
9	Walter A. Brown  Total fourth quarter		
	Supplemental.		400.00
July 1	J. F. Shea W. A. Brown	Rentdo	110.00 50.00
	Total		160.00
	Total rent		1,520.00

### ENTOMOLOGICAL INVESTIGATIONS.

1902.			
July 17	E. Morrison Paper Co	Mailing tubes	\$3.9
23	A. N. Candell		39. 7
(4.5)	Henrietta A. Kelly	do de la	38.0
	1 D Honkins	do	16.1
	A. D. Hopkins do	Monuconint	60, 0
	do	Januseript	150.0
25	Parish & Proctor	Spraying machine	25.0
26	Wyckoff, Seamans & Benedict.		276. 7
20	E I Dulles on	Typewriters, etc	46. 2
	E. J. Pullman Whitall, Tatum & Co	Slides, etc	
28	Whitah, Tatum & Co	Tubes	.3
29 29	M. V. Slingerland International Navigation Co	Lantern sindes	50.8
29 31	International Navigation Co	Passenger transportation	225.0
	E. A. Sehwarz et al Church & Stephenson	Salaries	1,681.4
Aug. 1	Church & Stephenson	Lumber	28.7
4	Walter D. Hunter	Salary	151.6
	Geo. H. Harris	do	100.0
	Warren E. Hinds Bowker Insecticide Co	do	100.0
	Bowker Insecticide Co	Disparene	20.0
õ	H.E.Burke	Salary	50.0
	C. B. Simpson	do	100.0
9	Bartlett E. Goodnough Houghton & Delano	do	17.0
14	Houghton & Delano	Photo supplies	7.9
15	W. M. Drouis	Confection insects	100.0
	H. E. Burke	Traveling expenses	17.9
	Warren E. Hinds	do	31.7
	Geo. H. Harris C. B. Simpson	do	36, 1
	C.B. Simpson	do	34.7
16	Library Bureau	Stacks	108.0
	Norwalk Lock Co	Kevs	1.2
18	Gulf, Western Texas and Pacific Rwy, Co.,	Passenger transportation	10.0
19	Mackall Bros	Arsenic, etc	2.6
20	B. E. Goodnough	Labor	9.0
	Rudolph, West & Co	Hardware	13.4
21	Chas. A. Foster	Specimens	47.6
	Eimer & Amend	Vials	14.0
25	Eimer & Amend C. B. Simpson	Traveling expenses	57. 7
	Reinlein Gasoline Torch Co	Torch	10.00
26	Parish & Proctor	Arsenate of lead and molasses	36. 50
	Margaret A. Flood	Pins, forceps, etc	
	Margaret A. Flood	Pins, forceps, etc	49.2

## $Expenditures of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30, 1903--- {\tt Cont'd.}$

### ENTOMOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1902.			
Aug. 26	R. P. Clark & Co	Muslin	\$3.99 2.40 10.00
27	B E Goodnough	Labor	2. 40 10. 00
30	R. P. Clark & Co Jno C. Parker B. E. Goodnough C. L. Marlatt et al Geo. H. Harris H. E. Burke Warren E. Hinds C. B. Simpson Walter D. Hunter F. M. Webster do	Salaries	1,665.07
Sept. 2	Geo. H. Harris	Salary	100.00 50.00
-	H. E. Burke	do	50.00
3	Warren E. Hinds	do	100.00
9	Walter D. Hunter	do	100.00 151.60
5	F. M. Webster	do	150.00
	do	do	77.42
	CO Church & Stephenson E. Morrison Paper Co. American Cycle Manufacturing Co. Columbia Phonograph Co Z. D. Gilman H. E. Burke Angust Busck	Lumber Genns covers	20.00
	A merican Cycle Manufacturing Co	Renairing	$14.00 \\ 2.00$
	Columbia Phonograph Co	Repairing Rent of phonograph Rubber stoppers Traveling expenses	2.50
6	Z. D. Gilman	Rubber stoppers	18 60
9	H. E. Burke	Traveling expenses	30.00
12 17	August Busck	do do Boxes, slides, etc	30.00 72.00 26.05
17	Rausch & Lomb Ontical Co	Boxes slides etc	133.05
	Rudolph. West & Co	Hinges, etc.	. 47
18	B. M. Eftyhithes	Traveling expenses	8.85
	The Geo. W. Knox Express Co	Transportation	1.05
	August Busck Warren E. Hinds Bausch & Lomb Optical Co Rudolph, West & Co B. M. Eftyhithes The Geo. W. Knox Express Co do Southern Rwy. Co	Hinges, etc. Traveling expenses Transportation do Passenger tansportation Stonell paper	1.25 39.30
24	do Southern Rwy. Co D. Frank Parker Geo. F. Muth & Co. Pennsylvania R. R. Co The Pullman Co Gulf, Western Texas and Pacific Rwy. Co. A. D. Hopkins. C. L. Marlatt et al	Stencil paner	3, 50
25	Geo. F. Muth & Co.	Stencil paper Alcohol and oil	2.65
26	Pennsylvania R. R. Co	Passenger transportationdodo	45.50
	The Pullman Co	do	8.50
or.	Gulf, Western Texas and Pacific Rwy. Co.	Colors	4.45 379.10
27 30	A. D. Hopkins	Salary Salaries	1,598.40
50	Total first quarter		8,590.11
	_		
Oct. 1	C. L. Marlatt	Traveling expenses	40.10 146.80
	Walter D. Hunter A. D. Hopkins	Salarydo	146. 80 183. 40
2	Geo H Harris	do	100.00
,~	H. E. Burke	do	50,00
	Geo. H. Harris H. E. Burke Warren E. Hinds	do	100.00
1.0	Geo. H. Harris August Busck Jno. Green C. B. Simpson	Traveling expenses	45.70 73.56
16	Ino Green	Long	13.50
2	C. B. Simpson	Traveling expenses	55.70
	Geo. H. Harris Warren E. Hines Whitall, Tatum & Co	do	35, 51
	Warren E. Hines	do	17.80 43.07
17	Whitall, Tatum & Co	Vials	59. 62
14	Frank Benton Z. D. Gilman Jas. B. Lambie C. B. Simpson	Alcohol	4. 27
	Jas. B. Lambie	Padlocks.	1.06
20	C. B. Simpson	Salary	100.00
21	H.E.Burke	Traveling expenses	61.25
21 24	H. E. Burke L. O. Howard F. M. Webster	do Lens Traveling expensesdodo Vials Traveling expenses Alcohol Padlocks Salary Traveling expensesdo Salary Cotton Salaries Rent	61. 25 277. 51 150. 00
29	Mackall Bros	Cotton	7.00
31	Mackall Bros C. L. Marlatt et al	Salaries	1,598.30
Nov. 3	J. M. McCann Warren E. Hinds	Rent Salarydo	48.00
4	warren E. Hinds	balary	100.00 40.00
4	H. E. Burke Walter D. Hunter Geo. H. Harris C. B. Simpson	do	150.00
	Geo. H. Harris	do	100.00
6	C. B. Simpson	do	100.00 25.50 18.50
	Jno. Green	Lenses	25.50
	Warren E. Hinds	Lenses Traveling expenses Alcohol, etc Door check, etc	9.80
	Rudolph West & Co	Door check etc	2, 60
7	A. D. Hopkins	Salary	2.60 189.54
13	E. A. Schwarz	Traveling expenses	30, 25
10.00	E. J. Pullman	Photo supplies	22.10 70.98
17	C. B. Simpson Jno. Green Warren E. Hinds Z. D. Gilman Rudolph, West & Co A. D. Hopkins E. A. Schwarz E. J. Pullman Walter D. Hunter do Geo. H. Harris M. Du Perow	Salary Traveling expenses Photo supplies Traveling expenses	70.98 39.41
	Geo H Harris	do	77.34
	M. Du Perow	Glazed globe	1.25 22.25
	H. E. Burke	Glazed globe Traveling expenses Passenger transportation	22. 25
18	New York, Texas and Mexican Rwy. Co	Passenger transportation	6.60
	M. Du Perow H. E. Burke New York, Texas and Mexican Rwy. Co The Chesapeake and Ohio Rwy. Co The Pullman Co Houston and Texas Central R. R. Co Bansch & Lomb Outleal Co	do -	14.00 10.50
	The Pullman Co. Houston and Texas Central R. R. Co. Bausch & Lomb Optical Co.	do	6.75
	HOUSTON AND TEXAS CENTRAL B. B. CO		

### ENTOMOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1902.			
Nov. 19	Wyckoff, Seamans & Benedict	Repairs	\$16.50
21 22	Hugh Reilly	Glass Electros	8.40
22 29	Hugh Reilly Southern Printers' Supply Co. C.L. Marlatt et al F. M. Webster	Traveling expenses Salary do do	6.60 1,745.13
Dec. 1	F. M. Webster	Traveling expenses	28.94
	do	Salary	150.00
2	do Geo. H. Harris Warren E. Hinds Walter D. Hunter American Cycle Manufacturing Co Lehigh Valley R. R. Co International and Great Northern R. R. Co The Oregon R. R. and Navigation Co New York, Texas and Mexican Rwy. Co do Denver and Rio Grande R. R. Co	do	100, 00 100, 00
	Walter D Hunter	do	150.00
	American Cycle Manufacturing Co	Tire, etc.	4.00
3	Lehigh Valley R. R. Co	Passenger transportation	4. 10
	International and Great Northern R. R. Co.	do	10.70 18.00
	New York, Texas and Mexican Rwy, Co	do	6.00
	do	do	6.00 13.20
	Denver and Rio Grande R. R. Co	do	22.00
0	Oregon Short Line R. R. Co	do Salary Traveling expenses Wire, etc	16. 15
12	Warren E Hinds	Traveling expenses	100.00 18.50
110	Rudolph, West & Co	Wire, etc	47,60
	Z. D. Gilman	Alcohol, etc	28.77 48.39
17 19	do Denver and Rio Grande R. R. Co. Oregon Short Line R. R. Co. C. B. Simpson Warren E. Hinds Rudolph, West & Co. Z. D. Gilman C. B. Simpson New York, Texas and Mexican Rwy. Co. do	Salary	48.39
19	do	do	7.00 6.60
	Baltimore and Ohio R. R. Co	do	5. 91
	do	ao.	21.00
90	Houston and Texas Central R. R. Co	do	18.45
22 31	Geo. H. Harris	Traveling expensesdo	95.44 34.20
91	August Busck C. L. Marlatt et al	Salaries	1,827.85
	Total second quarter	<u> </u>	9,086.73
1903. Jan. 2	C. B. Simpson Walter D. Hunter Geo. H. Harris Warren E. Hinds Houghton & Delano Warren E. Hinds Geo. H. Harris		F1 01
Jan. 2	U. B. Simpson	Salary	51.61 150.00
8	Geo. H. Harris	do	100.00
9	Warren E. Hinds	do	100, 00
12	Houghton & Delano	do do do Photo supplies Traveling expenses do do do Traveling expenses Circles, shades, etc Slide case Vials	11.17 57.90
	Geo. H. Harris	do	44.50
	do	do	69.35
	Warren E. Hinds Thos. Somerville & Sons	do	10.25
	Thos. Somerville & Sons W. D. Hunter Bausch & Lomb Optical Co Library Bureau Eimer & Amend Whitall, Tatum & Co J. F. McCann C. B. Simpson Walter D. Hunter C. B. Simpson do	Pan	17.80 139,25
15	Bausch & Lomb Ontical Co	Circles shades etc	24.18
10	Library Bureau	Slide case	19.00
	Eimer & Amend	Vials	20, 60
	Whitall, Tatum & Co	Pont office	33.13 48.00
19	C B Simpson	Rent office Salary Traveling expenses	48.39
20	Walter D. Hunter	Traveling expenses	18, 25
	C. B. Simpson	do	21. 25 166. 79
21	E Morrison Paner Co	Gonne govern	10.00
24	E. Morrison Paper Co Oregon Short Line R. R. Co	Genns covers Passenger transportation	84.95
	Frank M. Boteler New York, Texas and Mexican Rwy. Co	Repairing negatives Passenger transportation do do do	3,60
26	New York, Texas and Mexican Rwy. Co	Passenger transportation	39.30
	Houston and Texas Central R. R. Co	do	39.30 20.20
	The Pullman Co	do	20, 20 9, 50
	The Oregon R. R. and Navigation Co- New York, New Haven and Hartford R. R.	do	14.95
27	New York, New Haven and Hartford R. R.	do	11.47
31	Co. C. L. Marlatt	Salaries	1,866.55
Feb. 2	L.O. Howard Warren E. Hinds Walter D. Hunter C. B. Simpson	Salaries Traveling expenses	20,00
	Warren E. Hinds	Salary	100,00
	Walter D. Hunter	do	150.00
4	Walter D. Hunter	Traveling expenses	51.61 75.80
	Walter D. Hunter August Busck Geo. H. Harris	Salary  do do Traveling expenses  do Clare	75, 80 12, 96
7	Geo. H. Harris		100.00
9	do United States Express Co Rudolph, West & Co Z.D. Gilman	Salary Traveling expenses Transportation Screws	38.00
9	Rudolph, West & Co	Screws	32, 40
	Z. D. Gilman	Benzole Book Transportation	$\frac{.16}{1.00}$
	Sweet & Co	Book	2.25 8.15
4.0	Silver as Co		
12 14	Adams Express Co	Transportation	8, 15
12 14	Z.D. Criman Sweet & Co Adams Express Co American Entomological Co	Transportation Forceps Boxes, etc	8, 15 4, 50 32, 45

## $Expenditures of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30,1903--- {\tt Cont'd}.$

### ${\bf ENTOMOLOGICAL\ INVESTIGATIONS-Continued}.$

Date.	· Name.	Nature of payment.	Total
1903.			
eb. 14	Ernest Betz	Pipe Cotton seed	\$5 15. 36.
16	Capers Dickson C. E. Smith F. M. Webster Library Bureau. E. J. Pullman Queen & Co. (Incorporated)	Cotton seed	15.
	C. E. Smith	do	36
	F.M. Webster	Salary	530
	Library Bureau	Slide cases Photo supplies	19
	E.J. Pullman	Photo supplies	22 2 7
	Queen & Co. (Incorporated)	Pinot supplies	2
	do M.V.Slingerland	Since boxes	1
19	Houston and Towns Control P. D. Co	Coloring slides	$\frac{1}{17}$
24	Houston and Texas Central R. R. Co-Frank Benton	Passenger transportation	6
25	E. J. Pullman	Traveling expenses	8
40	Jac S Topham		4
26	Jas. S. Topham D. Frank Parker S. L. Thornton C. L. Marlatt et al	Mimeograph paper, etc Cotton seed, etc Salaries Report Furniture Salary	2
28	S. L. Thornton	Cotton seed etc	13
140	C. L. Marlatt et al	Salarios	1,333
ar. 3	Albert Mehmer Victoria Furniture Co C. B. Simpson Warren E. Hinds Walter D. Huuter Geo. H. Harris The Chesapeake and Potomac Telephone	Report	25
a1. 9	Victoria Furniture Co	Furniture	36
	C B Simpson	Salary	100
	Warren E Hinds	do	100
	Walter D Hunter	do	150
	Geo H Harris	do	100
	The Chesapeake and Potomac Telephone	Service	6
		Del vice	
	do -	do	6
6	do Walter D. Hunter do	Expenses.	6 10
	do	Expenses	151
9	Wm. Christian		280
	J. N. Hutchinson Church & Stephenson	Lumber Lenses	17 12
11	Church & Stephenson	Lumber	12
14	Jno. Green	Lenses	53
	Curry-Arrington Co	Cotton seed	107
	A. D. Hopkins	Traveling expenses Photo supplies Pitchers	40
	Houghton & Delano	Photo supplies	9
16	Dulin & Martin Co	Pitchers	2
18	Bausch & Lomb Optical Co	Repairs to microscope	11
	do	Laboratory supplies	44
4.0	Church & Stephenson Jno. Green Curry-Arrington Co. A. D. Hopkins Houghton & Delano Dulin & Martin Co. Bausch & Lomb Optical Co. do Library Bureau C. R. Simpson	Laboratory supplies	2
19	C. B. Simpson The Geo. W. Knox Express Co C. L. Marlatt et al	Salary Transportation	48
0.4	The Geo. W. Knox Express Co	Transportation	- 100
31		Salaries	1,467
	Total third quarter		8,871
pr. 2	Montgomery & Co	Punch	3
•	W. W. Jackson	Renairs to numns	3
	7 D Dobbitt		5
6	Walter D. Hunter A L. Quaintance C. B. Simpson W. Silas Sheets	Traveling expenses	132
	A. L. Quaintance	Salary	71
	C. B. Simpson	do	51
7	W. Silas Sheets		78
	Swett & Co	Letter books, etc	4
	Houghton & Delano.	Photo supplies.  Letter books, etc Photo supplies.	4
	Southern Printers' Supply Co	Electro	-
	E.J. Pullman	Negative holders	2
0	W. Shas Sheets Swett & Co. Houghton & Delano. Southern Printers' Supply Co. E. J. Pullman do. Warren E. Hinds Walter D. Hunter do	Photo supplies. Electro Negative holders. Films Salarydo	100
8	Walten D. Hanten	Sarary	150
	waiter D. Hunter	do	
. 9	Coo H Howais	Expenses Salary Traveling expenses Rent Figure 1 trees	26 100
9	Geo. H. Harris	Salary	38
1.4	A.L. Quantance	Pant	48
14	Geo. H. Harris A. L. Quaintance J. F. McCann W. W. Follin	Fruit trees	45
	The Pullman Co		15
	The Pullman Co Library Bureau W. F. Fiske	Cards	17 36
	W F Fiske	Salary	50
	Jas N Rupp		1
	Ernest Betz	Galvanized-iron cage	31
	Jas. N. Rupp Ernest Betz Z. D. Gilman	Scrappooks Galvanized-iron cage Alcohol, etc Passenger transportation do do do do	1 31 22
18			39
10	Washington Southern Rwy Co	do	54
	Gulf, Western Texas and Pacific Rwy Co.	do	4
	San Antonio and Aransas Pass Rwy Co	dodo	4
	American Cycle Manufacturing Co	Tire	
	The Pennsylvania B. R. Co	Passenger transportation	16
	Southern Rwy. Co. Gulf, Western Texas and Pacific Rwy. Co. Gulf, Western Texas and Pacific Rwy. Co. San Antonio and Aransas Pass Rwy. Co. American Cycle Manufacturing Co. The Pennsylvania R. R. Co. New York, Texas and Mexican Rwy. Co. Geo. H. Harris. Warren E. Hinds C. B. Simpson	do	16
20	Geo. H. Harris	Traveling expenses	90
		do.	36
	Warren E. Hinds		

### ${\bf ENTOMOLOGICAL\ INVESTIGATIONS-Continued}.$

Da	te.	Name.	Nature of payment.	Total.
190		THE STATE OF CO.	771 )	30.50
Apr.	. 21	Whitall, Tatum & Co Bausch & Lomb Optical Co. The Publishers and Printers' Supply Co. C. L. Marlatt et al. A. L. Quaintance. Warren E. Hinds. Walter D. Hunter	Vials Microscopes	\$9.50
	27	The Publishers and Printers' Supply Co	Engravings	34.50 2.00 1,507.75 131.90
	30	C. I. Marlatt et al	Salaries Salarydo	1, 507, 75
May		A. L. Quaintance	Salary	131.90
2.200		Warren E. Hinds	do	100.00
		Walter D. Hunter	do	150.00
		Z. D. Gilman Geo. H. Harris August Busek	Alcohol	20.33
	4	Geo. H. Harris	Salary Traveling expenses	100,00
	8	Fdw C Schmid	Tabels	12, 50 7, 50
	0	The Geo. W Knox Express Co.	Labels Transportation	3, 10
		The M. Lindsay Rubber Co	Gloves	3. 10 1. 00
		Edw. S. Schmid The Geo. W. Knox Express Co The M. Lindsay Rubber Co F. E. Hopkins	Oil stove Transportation do Typewriter and repairs	5(1)
		Adams Express Co	Transportation	102. 47 12. 95 109. 75
		United States Express Co	dodo	12.95
	9	Adams Express Co United States Express Co Wyckoff, Seamans & Benedict. Warren E. Hinds	Traveling expenses	98 00
	15	C. L. Marlatt	do	12.50
	10	A. L. Quaintance	do	47.37
		Geo. H. Harris	do	12.50 47.37 38.60
		W. D. Hunter	Expenses	-105  GO
		The Hoggson and Pettis Manufacturing Co.	Cloths, etc	9.00 15.00
	16	Warren E. Hinds. C. L. Marlatt A. L. Quaintance Geo. H. Harris W. D. Hunter The Hoggson and Pettis Manufacturing Co. A. P. Borden E. Morrison Paper Co. Francis Miller J. G. Harrison & Sons W. D. Hunter	Panar	5.00
	10	Francis Miller	Glass	17.50
	18	J. G. Harrison & Sons	Apples	60, 20
		W. D. Hunter W. F. Fiske	Traveling expenses Salary Stencil, etc.	143.75 50.00
	00	W. F. Fiske	Salary	50.00
	20	D. Frank Parker The Chesapeake and Potomac Telephone	Stencil, etc.	7.65
	29	Co.	Service	6, 25
		Elphonzo Youngs	California buhach	9,00
	31	C. L. Marlatt et al	Salaries	1,552.00
June		Warren F Hinds	Colour	100.00
		E. A. Schwarz	Traveling expenses	167.88 $150.00$
		Walter D. Hunter Geo. H. Harris	Salarydo	150.00
	9	W. F. Fielro	do	100,00 50,00
	2 3	W. F. Fiske	Passangar transportation	78, 60
	•	Southern Rwy. Co-Gulf, Western Texas and Pacific Rwy. Co-	Passenger transportationdo	4.45
		do	do	8,90
		Galveston, Harrisburg and San Antonio	do	3.80
		Rwy. Co. New York, Texas and Mexican Rwy. Co	do	6.60
		do	do	6.60
	5	American Entomological Co	Insects, boxes	49, 50
		do	Pins Cases	8.25 183.40
	9	The Washington Woodworking Co	Cases	183.40
	10	do The Washington Woodworking Co Walter D. Hunter Z. D. Gilman	Traveling expenses	154.00
			Casks, etc.	4, 45 136, 20
	11	A. L. Quaintance Warren Hines	Casks, etc Salary Traveling expenses	136, 20 28, 00
	12	E G Pullman	Photo supplies	3.07
		do do Rudolph, West & Co W. D. Hunter	do Maps, etc Expenses	7.80 7.95 45.05
		Rudolph, West & Co	Maps, etc	7.95
		W.D. Hunter G. H. Harris	Expenses	40.00
	19	A. L. Quaintance	Traveling expenses	59.87 75.70
	10	H. F. Wickham	Insects	215.60
		A. L. Quaintance H. F. Wickham The Deming Co	Insects Pumps, etc	11.77
	20			59.25
	23	Bausch & Lomb Optical Co	Circles, etc.	18.50
		Texas Photo Supply Co	Chemicals, etc Key blanks	42.71
		Western Union Telegraph Co	Service	. 25 10, 50
	24	Busch & Lomb Optical Co.  Texas Photo Supply Co. Rudolph, West & Co. Western Union Telegraph Co. The Texas and Pacific Rwy. Co. Galveston, Harrisburg and San Antonio	Passenger transportation	4.25
		Galveston, Harrisburg and San Antonio	dodo	7.60
		_Rwy. Co.		
		Rwy. Co. Houston and Texas Central R. R. Co Peninsular and Occidental S. S. Co. New York, Texas and Mexican Rwy. Co. Gulf, Western Texas and Pacific Rwy. Co. New York, Texas and Mexican Rwy. Co. I. P. Roosa The Geo. W. Knox Exptess Co.	do	24.00
		Peninsular and Occidental S. S. Co	do	41.55
	25	New York, Texas and Mexican Rwy. Co	do	9.05
	40	New York Texas and Mayican Ruy Co.	do	4.45 11.70
		I. P. Roosa	Expenses	2 10
		The Geo. W. Knox Express Co.	Transportation	2.10 1.73
		The Geo. W. Knox Express Co. The Washington Woodworking Co. The Lake Shore and Michigan Southern	Lantern snaes	21.60
	29	The Lake Shore and Michigan Southern	Passenger transportation	15.62
		Rwy. Co.		

### ENTOMOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
June 29	Galveston, Harrisburg and San Antonio Rwy. Co.	Passenger transportation	\$10.1
30	A. D. Hopkins et al	Salaries	1,136.8
	Total fourth quarter, 1903		8, 787.
	Supplemental.		
July 2	L.O. Howard	Traveling expenses	45.
6	W. F. Fiske	Salary	50.0
	A. W. Morrill		43.
	A. L. Quaintance	do	131.
	G. H. Harris	do	100.
	W.D.Hunter		150.
**	W. E. Hinds	do	100.
7 9	G. Loehler	Hall cases	140.
13	F. C. Pratt Alexander Seed Co	Traveling expenses	13. 6.
16	International and Great Northern R. R. Co.	Cotton seed	8.
10	Missouri, Kansas and Texas Rwy. Co.	rassenger transportation	8.
	do		8.
	Bausch & Lomb Optical Co.	Lone panor	12
17	J. F. McCann	Rent of building	48
20	W. E. Hinds		28
100	W. D. Hunter	Expenses	20
21	A. W. Morrill	Traveling expenses	25.
	W. D. Hunter	do	140.
22	A. N. Candell	do	102
23	A. L. Quaintance	do	69
24	G. H. Ĥarris	do	38.
29	G. H. Harris The Chesapeake and Potomac Telephone Co.	Telephone service	6.
Aug. 3	Herbert Barber	Traveling expenses	186.
4	C. L. Marlatt.	do	12.
15	The Geo. W. Knox Express Co	Transportation	3.
27	Jas. B. Lambie	Lock, etc.	
Sept. 18	Western Union Telegraph Co	Telegraph service	8
	Galveston, Harrisburg and San Antonio Rwy. Co.	Transportation	10.
	do	do	3
	Houston and Texas Central R. R. Co		23.
	do		39.
	do	do	8.
19	Canadian Pacific Rwy. Co	do	72
	Canadian Pacific Rwy. Co New York, Texas and Mexican Rwy. Co	do	39
	do	do	21
	Southern Rwy. Co	do	79
00	The Pullman Co	do	16
22	Houston and Texas Central R. R. Co	do	9.
Oct. 28	Blue Line Transfer Co.	do	11
31	International and Great Northern R. R	ao	11.

#### RECAPITULATION.

Total first quarter, 1903	\$8,590,11
Total second quarter, 1903	9,086.73
Total third quarter, 1903	8,871.02
Total fourth quarter, 1903	8,787.33
Supplemental	1,847.37
· ·	
Total	37, 182.56

#### SETTLED BY TREASURY.

Date.	Name.	Nature of payment.	Total.
1903. Apr. 13 June 29	The Public Printer Baltimore and Ohio R. R. Co Total	Index cards	\$4.52 66.75 71.27

#### ENTOMOLOGICAL INVESTIGATIONS.

### [Appropriation for 1902-3.]

Date.	Name.	Nature of payment.	Total.	
1902. June 30	E. A. Schwarz et al	Salaries	\$1,139.50	
	Total fourth quarter, 1902		1,139.50	
July 8	L. O. Howard R. S. Clifton C. L. Marlatt	do	41. 45 11. 45 11. 45	
16 17 24	Geo. A. Harris Walter D. Hunter A. N. Crandell	do	72.48 116.67 51.68	
Aug. 16 18 19	Bausch & Lomb Optical Co Southern Rwy, Co Walter D. Hunter	Laboratory supplies Passenger transportation Traveling expenses	43.70 78.60 107.20	
Sept. 6	do Victoria Furniture Co Walter D. Hunter	Traveling expenses	75. 71 80. 25 106. 50 45. 00	
17 18	do The Deming Co. New York, Texas and Mexican Rwy. Co do	Cart, pump, etc	27.48 3.80 6.00	
26	dodo	do do	6.60 6.60 13.50	
	San Antonio and Aransas Pass Rwy. Co New York, Texas and Mexican R. R. Co	do	3. 10 3. 80	
	Total first quarter, 1903		913.02	
Oct. 21 Nov. 3	Walter D. Hunter do do	Expenses Traveling expenses do	19.00 70.30 88.17	
18	do Gulf, Western Texas and Pacific Rwy. Co. Galveston, Harrisburg and San Antonio Rwy. Co.		4.45 3.80	
Dec. 3	St. Louis Southwestern Rwy Co	do	37.30 10.40 24.60	
19	Rwy. Co. Houston and Texas Central R. R. Co. International and Great Northern R. R. Co. Galveston, Harrisburg and San Antonio	dododo	4.95 8.25 10.05	
10	Rwy. Co. The Pullman Co		16, 00	
1000	Total second quarter, 1903		297.27	
1903. Jan. 5	Walter D. Hunter	Expenses	20.00	
19 24 Feb. 10	do Gulf, Colorado and Santa Fe Rwy. Co E. S. Peters	Passenger transportation Cotton	134, 55 9, 65 5, 475, 43	
	Total third quarter, 1903		5,639.63	
	DECADIMITA A	TION		
RECAPITULATION.       Fourth quarter, 1902     \$1,139       First quarter, 1903     913       Second quarter, 1903     297       Third quarter, 1903     5,639				

#### BIOLOGICAL INVESTIGATIONS.

Total 7,989.42

Da	te.	Name.	Nature of payment.	Total.
July	11 12 16 18	Hyrum A. Cluffdo. H. H. T. Jackson Saml. N. Rhoads E. R. Warren Folmer & Schwing Manufacturing Co	Lens board. etc	\$35.60 49.50 10.00 6.00 20.00 12.40 3.50

### BIOLOGICAL INVESTIGATIONS—Continued.

	. Name.	Nature of payment.	Total
1902.			
ilv 22	F. W. Nelson Fred. A. Schmidt Hugh Reilly Vernon Bailey E. W. Nelson Alfred G. Maddren E. A. Goldman N. Hollister Frank Stophons	Mammals	\$20
25	Fred. A. Schmidt	Steel tape	8 1 189
28	Hugh Reilly	Glass	1
31	Vernon Bailey	Salary	189
	E. W. Nelson	do	168 100 117 100
	Alfred G. Maddren	_ do	100
	E. A. Goldman	do	117
	N. Hollister	do	100
	N. Hollister Frank Stephens Luther J. Goldman Gordon Donald T. S. Palmer et al Jas. S. Topham Merritt Carey F. Stephens Wm. Wagner Geo K. Robbins	do	100
	Luther J. Goldman	do	100
	Gordon Donald	do	50
	T. S. Palmer et al Jas. S. Topham Merritt Carey F. Stephens Wm. Wagner Geo. K. Robbins W. Silas Sheetz C. Hort Worring	Salaries	533
ıg. 1	Manufet Community	Leatner pags	51
5	E Ctarlera	- Salary	31 40
8	West West and	Traveling expenses	
11	W.M., Wagner	Shells	8
12	W Cilco Choota	Skulls	
15	C Heat Memiers	Tuesding expenses	28
26	C. Hart Merriam	Traveling expenses	133
27	W W Worthington	Rivde' etomache	17 6
30	C. Hart Mel Hall F. P. May & Co W. W. Worthington N. Hollister	Salary	100
90	N. Hollster Vernon Bailey Luther J. Goldman Gordon Donald Frank Stephens Merritt Carey E. W. Nelson E. A. Goldman T. S. Palmer et al A. G. Maddren	Films, etc Traveling expenses Traps, etc Birds' stomachs Salary do	189
	Luthor I Goldman	do	100
	Gordon Donald	do	50
	Frank Stanhans	do	100
	Merritt Carev	do	100
	E. W. Nelson	do	168
	E. A. Goldman	do	117
	T. S. Palmer et al	Salaries	572
pt. 3	A. G. Maddren W. P. Melville Z. D. Gilman	Salary  Salary  Birds' stomachs  Alum, etc  Birds' stomachs	100
	W.P. Melville	Birds' stomachs	4
5	Z. D. Gilman	Alum, etc	6
6	W. E. C. Todd	Birds' stomachs	4
	W. E. C. Todd Frank J. Cullen Frank Stephens Vernon Bailey Www. Workey	Plates and films Traveling expenses	12
8	Frank Stephens	Traveling expenses	40
9	Vernon Bailey	do	149
10	Wm. Wagnei	Shells	7 209
17	C. Hart Merriam	Traveling expenses Mammals, etc	209
	Hyrum A. Cluff	Mammals, etc	16
19	F. P. May & Co	Traps	56
	Vernon Batley Wm. Wagner C. Hart Merriam Hyrum A. Cluff F. P. May & Co Henry J. Green Library bureau T. S. Palmor	Traps Barometers Book supports	19 2
20	Library bureau	Book supports	2
30	T. S. Palmer	Salaries	500
	Total, first quarter		4, 545
et. 1	W. Silas Sheetz	Photo supplies	14
	Marrit Cary	Colomy	100
	MC1110 Cat y	. Salary	100
	L.J. Goldman	do	50
	L. J. Goldman E. A. Goldman	dodo	114
	E. J. Goldman E. A. Goldman N. Hollister	do	114 100
	L. J. Goldman E. A. Goldman N. Hollister Alfred G. Maddren	do	114 100 100
	L. J. Goldman E. A. Goldman N. Hollister Alfred G. Maddren Frank Stephens	- Salaty - do - d	114 100 100 100
	L. J. Goldman E. A. Goldman N. Hollister Alfred G. Maddren Frank Stephens E. W. Nelson		114 100 100 100 160
	W. Slas Sneetz Merrit Cary L. J. Goldman E. A. Goldman N. Hollister Alfred G. Maddren Frank Stephens E. W. Nelson Gordon Donald		114 100 100 100 160
	L.J. Goldman E. A. Goldman N. Hollister Alfred G. Maddren Frank Stephens E. W. Nelson Gordon Donald Vernon Bailey		114 $100$ $100$ $100$ $160$ $160$ $188$
2	L. J. Goldman E. A. Goldman N. Hollister Alfred G. Maddren Frank Stephens E. W. Nelson Gordon Donald Vernon Bailey Frank Stephens	Salary	114 100 100 100 160 50 183
	L. J. Goldman E. A. Goldman N. Hollister Alfred G. Maddren Frank Stephens E. W. Nelson Gordon Donald Vernon Bailey Frank Stephens Jno. C. Parker	Salary	114 100 100 100 160 50 183
7	L.J. Goldman E. A. Goldman N. Hollister Alfred G. Maddren Frank Stephens E. W. Nelson Gordon Donald Vernon Bailey Frank Stephens Jno. C. Parker C. Hart Merriam	Salal y	114 100 100 100 160 50 183
7 15	Vernon Bailey Frank Stephens Jno. C. Parker C. Hart Merriam Jus. S. Toobam	do Traveling expenses Pins Traveling expenses	114 100 100 100 160 50 183 40 2 201
7	Vernon Bailey Frank Stephens Jno. C. Parker C. Hart Merriam Jus. S. Toobam	do Traveling expenses Pins Traveling expenses	114 100 100 160 50 183 40 20 1
7 15	Vernon Bailey Frank Stephens Jno. C. Parker C. Hart Merriam Jus. S. Toobam	do Traveling expenses Pins Traveling expenses	114 100 100 160 50 183 40 20 1
7 15 16	Vernon Bailey Frank Stephens Jno. C. Parker C. Hart Merriam Jus. S. Toobam	do Traveling expenses Pins Traveling expenses	114 100 100 160 50 183 40 2 201 1 50 126
7 15	Vernon Bailey Frank Stephens Jno. C. Parker C. Hart Merriam Jas. S. Topham Merritt Cary Vernon Bailey Gordon Donald Fred. A. Schmidt	do Traveling expenses Pins Traveling expenses Trunk Salary Traveling expensesdoInk	114 $100$ $100$ $100$ $160$ $160$ $183$ $40$ $2$ $201$ $1$ $50$ $126$ $22$ $2$
7 15 16	Vernon Bailey Frank Stephens Jno. C. Parker C. Hart Merriam Jas. S. Topham Merritt Cary Vernon Bailey Gordon Donald Fred. A. Schmidt	do Traveling expenses Pins Traveling expenses Trunk Salary Traveling expensesdoInk	114 $100$ $100$ $100$ $160$ $160$ $183$ $40$ $2$ $201$ $1$ $50$ $126$ $22$ $2$
7 15 16	Vernon Bailey Frank Stephens Jno. C. Parker C. Hart Merriam Jas. S. Topham Merritt Cary Vernon Bailey Gordon Donald Fred. A. Schmidt	do Traveling expenses Pins Traveling expenses Trunk Salary Traveling expensesdoInk	14 100 50 1144 100 100 100 100 160 50 2 201 150 126 222 2
7 15 16	Vernon Bailey Frank Stephens Jno. C. Parker C. Hart Merriam Jas. S. Topham Merritt Cary Vernon Bailey Gordon Donald Fred. A. Schmidt	do Traveling expenses Pins Traveling expenses Trunk Salary Traveling expensesdoInk	1144 1000 1000 1600 500 1833 400 2 2011 1 500 1266 222 2
7 15 16	Vernon Bailey Frank Stephens Jno. C. Parker C. Hart Merriam Jas. S. Topham Merritt Cary Vernon Bailey Gordon Donald Fred. A. Schmidt	do Traveling expenses Pins Traveling expenses Trunk Salary Traveling expensesdoInk	1144 1000 1000 1000 160 50 183 40 2 201 1 50 126 222 2
7 15 16 17 21 23	Vernon Bailey Frank Stephens Jno. C. Parker C. Hart Merriam Jas. S. Topham Merritt Cary Vernon Bailey Gordon Donald Fred. A. Schmidt	do Traveling expenses Pins Traveling expenses Trunk Salary Traveling expensesdoInk	114 100 100 100 166 50 185 40 2 201 150 126 22 2
7 15 16	Vernon Bailey Frank Stephens Jno. C. Parker C. Hart Merriam Jas. S. Topham Merritt Cary Vernon Bailey Gordon Donald Fred. A. Schmidt	do Traveling expenses Pins Traveling expenses Trunk Salary Traveling expensesdoInk	114 100 100 160 160 2 200 11 50 120 22 22 13 45
7 15 16 17 21 23	Vernon Bailey Frank Stephens Jno. C. Parker C. Hart Merriam Jas. S. Topham Merritt Cary Vernon Bailey Gordon Donald Fred. A. Schmidt	do Traveling expenses Pins Traveling expenses Trunk Salary Traveling expensesdoInk	114 100 100 100 160 56 56 185 40 201 1 1 50 126 222 2 133 45 11
7 15 16 17 21 23	Vernon Bailey Frank Stephens Jno. C. Parker C. Hart Merriam Jas. S. Topham Merritt Cary Vernon Bailey Gordon Donald Fred. A. Schmidt	do Traveling expenses Pins Traveling expenses Trunk Salary Traveling expensesdoInk	114 100 1000 1000 160 50 50 183 40 201 1 1 500 126 22 2 133 45 11
7 15 16 17 21 23 25 27	Vernon Bailey Frank Stephens Jno. C. Parker C. Hart Merriam Jas. S. Topham Merritt Cary Vernon Bailey Gordon Donald Fred. A. Schmidt	do Traveling expenses Pins Traveling expenses Trunk Salary Traveling expensesdoInk	114 100 1000 1000 1000 1600 183 400 201 1 1 500 126 22 2 1 1 3 4 4 5 1 1 1 9 9 3 7 4 1 1
7 15 16 17 21 23	Vernon Bailey Frank Stephens Jno. C. Parker C. Hart Merriam Jas. S. Topham Merritt Cary Vernon Bailey Gordon Donald Fred. A. Schmidt Jas. B. Lambie Library Bureau Woodward & Lothrop W. H. Dyer F. P. May & Co W. Silas Sheetz The Randolph Paper Box Co Merritt Cary Jas. H. Gant. E. A. Goldman	do Traveling expenses Pins Traveling expenses Trunk Salary Traveling expenses do Ink Hammer Label holders Traps Films, etc. Cases Traveling expenses do	114 100 100 100 160 160 50 185 40 2 2 11 50 120 2 2 2 13 45 11 9 37 41
7 15 16 17 21 23 25 27 29	Vernon Bailey Frank Stephens Jno. C. Parker C. Hart Merriam Jas. S. Topham Merritt Cary Vernon Bailey Gordon Donald Fred. A. Schmidt Jas. B. Lambie Library Bureau Woodward & Lothrop W. H. Dyer F. P. May & Co W. Silas Sheetz The Randolph Paper Box Co Merritt Cary Jas. H. Gant. E. A. Goldman	do Traveling expenses Pins Traveling expenses Trunk Salary Traveling expenses do Ink Hammer Label holders Traps Films, etc. Cases Traveling expenses do	114 100 100 166 56 183 40 2 20 10 1 50 22 2 2 1 1 3 4 4 5 2 2 1 1 3 4 4 5 2 2 1 1 3 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
7 15 16 17 21 23 25 27	Vernon Bailey Frank Stephens Jno. C. Parker C. Hart Merriam Jas. S. Topham Merritt Cary Vernon Bailey Gordon Donald Fred. A. Schmidt	do Traveling expenses Pins Traveling expenses Trunk Salary Traveling expenses do Ink Hammer Label holders Traps Films, etc. Cases Traveling expenses do	114 100 1000 1000 160 50 50 183 40 201 1 1 500 126 22 2 133 45 11

### BIOLOGICAL INVESTIGATIONS—Continued.

Da	te.	Name.	Nature of payment.	Total.
190	19			
Nov.	1	E. A. Goldman	Salary	\$117.90
				189. 55
	4	Vernon Bailey F, Stephens Harry C, Oberholser Jas, H, Gant McClure Surber Church & Stephenson Robt, Gair W, E, Snyder	Traveling expenses	40.00
	7	Jas H Gant	do	88.48 59.40
	10	McClure Surber	Mammals	22.50
	13 17	Church & Stephenson	Lumber	23.25
	17	W. F. Spydon	Envelopes Birds' stomachs Passenger transportation	7.45 1.20
	18	The Pennsylvania R. R. Co	Passenger transportation	6, 23
		W. E. Snyder The Pennsylvania R. R. Co- Galveston, Harrisburg and San Antonio Rwy, Co. C. Hart Merriam E. Morrison Paper Co H. C. Oberholser T. S. Palmer et al	do	6, 23 16, 95
	19	C. Hart Merriam	Traveling expenses	207. 75
	22 29	H. C. Oberholser	Scrapbooks, etc Traveling expenses	6.50 97.63
	12.0	T. S. Palmer et al	Salaries	500.60
Dec.	1	E. W. Nelson	Salary	163.00
		Vernon Bailey	do	183.40 114.20
	3	Fort Worth and Denver City Rwy Co	Passanger transportation	3.60
	4	C. Hart Merriam	Traveling expenses	46.50
	8	T. S. Palmer et al E. W. Nelson Vernon Bailey E. A. Goldman Fort Worth and Denver City Rwy. Co C. Hart Merriam Jas. H. Gant F. P. May & Co N. Hollister Wm. Wagner Walter K. Fisher E. R. Warren	Traveling expenses Salaries Salary do do Passenger transportation Traveling expenses do Traps, etc. Mammals Powder, etc. Birds. Photos	55.20
	10	F. P. May & Co	Traps, etc.	44.13
	12 13	Wm Wagner	Powder etc	6.00 15.35
	16	Walter K. Fisher	Birds	34.50
	17	E.R. Warren	Photos	10.00
	19	Chicago, Rock Island and Texas Rwy.Co Baltimore and Ohio R. R. Co Wilfred H. Osgood	Passenger transportation	23. 10 50. 90
	99	Wilfred H Osgood	Traveling expenses	50. 90 454. 65
	22 31	T. S. Palmer et al.	Passenger transportationdo	438. 45
		Total second quarter		5,719.08
190	3.	7 4 6 13	0.1	118 00
Jan.	3	E. A. Goldman E. W. Nelson	Salarydo	117.90 168.50
				189.55
	5	Louis A. Fuertes	Drawings	120.00
		Frank S. Daggett	Birds stomachs	5.60
	~	Jac H Gant	Traveling expenses	5. 28 69. 85
	8	Verion Baney Louis A. Fuertes Frank S. Daggett Frank J. Cullen Jas. H. Gant Church & Stephenson Mackall Bros W. Silos Sheatz	Orawings. Birds' stomachs Negatives, etc Traveling expenses Lumber Cotton, etc	10.50
	12	Mackall Bros	Cotton, etc.	19.25
		W. Silas Sheetz	Films Sash cord Shells and shot Trays	37. 20
	13	Wm. Wagner	Shells and shot	. 76 4. 55
	15	Library bureau	Trays	3 75
		O. V. Lange	Prints	12. 75 13. 00
	16	Abbott H. Thayer	Mammals Mammals and skull	13.00 $5.25$
	10	W. W. Worthington	Birds' stomachs	12.00
		Pacific Packing and Navigation Co	Birds' stomachs Passenger transportation	140.00
	21	E.G. Schafer & Co	Pipe, etc Salt	7.68
		W Silas Sheetz	Glycin etc	15.47
		Mackall Bros ' W. Silas Sheetz Rudolph, West & Co Wm, Wagner Library bureau O. V. Lange Abbott H. Thayer N. Hollister W. W. Worthington Pacific Packing and Navigation Co E. G. Schafer & Co The J. C. Ergood Co W. Silas Sheetz do	Glycin, etc Photo supplies Traveling expenses Repairing cases Birds' stomachs	15. 47 22. 39 21. 00
		C. Hart Merriam Jas. S. Topham W. O. Emerson W. E. Snyder	Traveling expenses	21.00
	22	Jas. S. Topham	Repairing cases	4.50 11.60
	23	W. O. Emerson W. F. Spyder	Birds stomachs	11.60 1.35
	24	M. Lindsay Rubber Co	Tubing Passenger transportation	1. 35
		M. Lindsay Rubber Co. Southern California Rwy. Co. The Pecos Valley and Northeastern Rwy.	Passenger transportation.	91.46
	26		do	8.50
	سن	G. H. Malone	Mammals	3.00
	27	The Anthony & Serville Co	Charts.etc	3.10
		E. R. Warren	Mammals	44. 39 3. 00
		W. W. Worthington	Birds' stomachs	7.20
		A. C. Thompson	Mammals	7.20 25.00 104.00
			Passenger transportation	104.00
	90	Southern Rwy. Co	T T	
	28	G.H. Malone Harriet E. Richards. The Anthony & Scoville Co E. R. Warren W. W. Worthington A. C. Thompson Southern Rwy. Co Fred. A. Schmidt	Ink	2.40
		Southern Rwy. Co Fred. A. Schmidt do Juo. M. Priour	Mammais Charts, etc Photo supplies Mammals Birds' stomachs Mammals Passenger transportation Ink Brushes Mammals and skulls	2.40 1.80 8.40
	28 29 31	Southern Rwy. Co Fred. A. Schmidt 	Ink Brushes. Mammals and skulls Salary	2.40 1.80 8.40
		Southern Rwy, Co Fred. A. Schmidt do Jno. M. Priour E. W. Nelson E. A. Goldman	Ink Brushes Mammals and skulls Salary do	2.40 1.80 8.40 172.20 137.80
Feb.	29 31	Southern Rwy, Co Fred. A. Schmidt do Jno. M. Priour E. W. Nelson E. A. Goldman T. S. Palmer et al E. V. Caywood Louise de Bonneville	Ink Brushes Mammals and skulls Salary do Salaries Mammals Salary	2.40 1.80 8.40

# $Expenditures \ of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1903--Cont'd.$ BIOLOGICAL INVESTIGATIONS-Continued.

Date.	Name.	Nature of payment.	Total
1903.			
eb. 2	Vernon Bailey	Salary	\$193
eb. 2	Woodward & Lothron	Canton flannel	\$199
9	United States Express Co	Transportation	27
	Wm. B. Moses & Sons	Salary Canton flannel Transportation Linoleum Koys	37 2
	Vernon Bailey Woodward & Lothrop United States Express Co. Wm. B. Moses & Sons Rudolph, West & Co Mackall Bros Z. D. Gilman M. Du Perow Jas H Gant		1
	Mackall Bros	Chemicals	11
	Z. D. Gilman		11 25 3
	M. Du Perow	Cord, etc Traveling expenses Transportation Mammals	3
12	Jas. H. Gant Adams Express Ernest L. Brown Thos. Somerville & Sons	Traveling expenses	95
	Adams Express	Transportation	52
14	Ernest L. Brown	Mammals	15
16	Thos. Somerville & Sons	Sinks, etc Birds' stomachs	19
10	Thos. Somervine & Sons.  W. W. Worthington Baltimore and Ohio R. R. Co The Texas and Pacific Rwy. Co Chicago, Rock Island and Mexican Rwy. Co Chicago, Rock Island and El Paso Rwy. Co	Birds' stomachs	6
19	Baltimore and Onio R. R. Co.	Passenger transportation do do	104
	Chief and Pacific Rwy. Co	do	5
	Chicago, Rock Island and Mexican Rwy. Co		2
95	Edwid A Americana El Paso Rwy. Co.	-do Films	48
25 28	Edwa, A. Armstrong	Colomy	$\frac{2}{124}$
20	T C Polmon et al	Salary	408
lar. 2	Vornon Railor	Salarres	175
lar. 2	W J Fisher	Skulle	7
9	Chicago, Rock Island and El Paso Rwy. Co- Edwd. A. Armstrong E. A. Goldman T. S. Palmer et al Vernon Bailey W. J. Fisher W. W. Worthington Viola McColin The Chesapeake and PotomacTelephone Co	rums Salary Salaries Salary Skulls Skulls Birds' stomachs Photos, etc Service	6
	Viola McColin	Photos ate	17
	The Chesapeake and Potomac Telephone Co	Service	6
	dodo	Service do Accorded to the service ser	6
	Z. D. Gilman F. P. May & Co Wm. Wagner Jas. B. Lambie	Needles forcens etc	2
	F. P. May & Co	Trans etc	$2\tilde{4}$
	Wm. Wagner	Shot, etc	4
5	Jas. B. Lambie	Excelsior	•
9	The Anthony & Scoville Co National Electric Supply Co The Folmer & Schwing Manufacturing Co	Camera stand	18
11	National Electric Supply Co	Sockets	1
14	The Folmer & Schwing Manufacturing Co.	Camera board	5
	Thos. H. Jackson	Photos	4
	Jno. Seawel	Mammals	8
	Thos. H. Jackson Jno. Seawel F. E. L. Beal	Photos Mammals Traveling expenses	52
		do	84
18 19	Bausch & Lomb Optical Co Rudolph, West & Co M. Du Perow	Lens, etc	40
19	Rudolph, West & Co	Wire	1
21 25	M. Du Perow	Lamps	5
25	Lonis Hartig	Wire	2
	W. Silas Sheetz T. S. Palmer et al	Wire Photo supplies Salaries	31
31			447
	Total third quarter		4,310
pr. 1	Vernon Bailey	Salary	193
	E. A. Goldman	do	137
2	Edw. S. Schmid	Quail	6
	Jas. S. Topham	Trunk handles, etc	4
	Jno. C. Parker	Indexes	2
3	Church & Stephenson	Lumber	
	Wm. Wagner	Shells, shot, etc	18
7	Kudolph, West & Co	Quail. Trunk handles, etc	2
11	Vernon Batley E. A. Goldman Edw. S. Schmid Jas. S. Topham Jno. C. Parker Church & Stephenson Wm. Wagner Rudolph, West & Co Jas. B. Lambie Blue Line Transfer Co F. E. L. Beal Jas. H Gant	Excelsior Transportation Traveling expenses do	
13	Brue Line Transfer Co	Transportation	68
15	F. E. L. Beal	Traveling expenses	6a 78
	Jas. H. Gant	Colour	155
10		Sarary	155
16	T. C. Dolmon		
	T. S. Palmer W. Gileg Cheetz	Photo supplies	
16 17	Jas. H. Galt E. W. Nelson T. S. Palmer W. Silas Sheetz	Photo supplies	47
	E. W. Nelson T. S. Palmer W. Silas Sheetz J. S. Topham S. H. Honderson	Photo supplies Leather	1
	E. W. Nelson T. S. Palmer W. Silas Sheetz J. S. Topham S. H. Henderson T. S. Hambright	Photo supplies  Leather Skulls	$\frac{1}{5}$
	S. H. Henderson T. S. Hambright	Salary Traveling expenses Photo supplies Leather Skulls Mammals Pener	1 5 8
17	S. H. Henderson T. S. Hambright	Traveling expenses Photo supplies Leather Skulls Mammals Paper Passenger transportation	$\begin{array}{c} 1 \\ 5 \\ 8 \\ 12 \end{array}$
	J. S. Topham S. H. Henderson T. S. Hambright Jno. Wanamaker Southern Pacific Co	Paper Passenger transportation	$\begin{array}{c} 1\\ 5\\ 8\\ 12\\ 77\end{array}$
17	J. S. Topham S. H. Henderson T. S. Hambright Jno. Wanamaker Southern Pacific Co. The Texas and Pacific Rwy. Co.	rraveling expenses Photo supplies Leather Skulls Mammals Paper Passenger transportation do Ellms	6 43 1 5 3 12 77 44 21
17	J. S. Topham S. H. Henderson T. S. Hambright Jno. Wanamaker Southern Pacific Co. The Texas and Pacific Rwy. Co.	Passenger transportationdoFilms	1 5 12 77 44 21
17	J. S. Topham S. H. Henderson T. S. Hambright Jno. Wanamaker Southern Pacific Co. The Texas and Pacific Rwy. Co.	Passenger transportationdoFilms	1 5 12 77 44 21 25
17	J. S. Topham S. H. Henderson T. S. Hambright Jno. Wanamaker Southern Pacific Co. The Texas and Pacific Rwy. Co.	Passenger transportation  do Films Salary Passenger transportation	1 5 8 12 77 44 21 25 78
17 18	J. S. Topham S. H. Henderson T. S. Hambright Jno. Wanamaker Southern Pacific Co. The Texas and Pacific Rwy. Co.	Passenger transportation  do Films Salary Passenger transportation	1 5 8 12 77 44 21 25 78
17 18 20 23	J. S. Topham S. H. Henderson T. S. Hambright Jno. Wanamaker Southern Pacific Co. The Texas and Pacific Rwy. Co.	Passenger transportation  do Films Salary Passenger transportation	1 5 12 77 44 21 25 78 50
17 18 20 23	J. S. Topham S. H. Henderson T. S. Hambright Jno. Wanamaker Southern Pacific Co. The Texas and Pacific Rwy. Co.	Passenger transportation  do Films Salary Passenger transportation	1 5 6 12 77 44 21 25 78 50 15
17 18 20 23 25 27	J. S. Topham S. H. Henderson T. S. Hambright Jno. Wanamaker Southern Pacific Co. The Texas and Pacific Rwy. Co.	Passenger transportation  do Films Salary Passenger transportation	1 5 8 12 77 44 21 25 78 50 15
17 18 20 23	J. S. Topham T. S. Hambright Jno. Wanamaker Southern Pacific Co The Texas and Pacific Rwy. Co W. Silas Sheetz Alfred E. Preble Baltimore and Ohio R. R. Co. Wm. Wagner Abercrombie & Fitch T. B. Wilson E. W. Nelson T. S. Palmer	Passenger transportation  do Films Salary Passenger transportation	1 5 3 12 777 444 21 25 78 50 15
17 18 20 23 25 27	J. S. Topham T. S. Hambright Jno. Wanamaker Southern Pacific Co The Texas and Pacific Rwy. Co W. Silas Sheetz Alfred E. Preble Baltimore and Ohio R. R. Co. Wm. Wagner Abercrombie & Fitch T. B. Wilson E. W. Nelson T. S. Palmer	Passenger transportation  do Films Salary Passenger transportation	1 5 8 12 17 17 17 17 17 17 17 17 17 17 17 17 17
17 18 20 23 25 27 28	J. S. Topham S. H. Henderson T. S. Hambright Jno. Wanamaker Southern Pacific Co. The Texas and Pacific Rwy. Co.	Passenger transportationdoFilms	1 5 8 12 77 44 21 25 78 50

### BIOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
May 2	E. W. Nelson Z. D. Gilman	Salary Vials	\$164.80 1.30
	Z.D. Gilman	Vials Scalpels and scissors	1.30
	Z. D. Gilman do Abercrombie & Fitch George F. Muth & Co Adams Express Co Mackall Bros	Scalpels and scissors	3.00
8	George F Muth & Co	Tents Varnish	30, 40 2, 50
U	Adams Express Co	Varnish Transportation	58.52
	Adams Express Co Mackall Bros United States Express Co Postal Telegraph Cable Co Mrs. K. L. Paynter Will C. Colt. American Entomological Co. Hammer Dry Plate Co. Queen & Co. (Incorporated) F. E. L. Beal C. G. Moores F. P. May & Co. T. S. Pa'mer, et al Vernon Bailey N. Hollister Alfred E. Preble E. W. Nelson	Cotton	9.80
	United States Express Co	Cotton Transportation Service	16.05
	Postal Telegraph Cable Co	Service	1.30
	Mrs. K. L. Paynter	Tents Birds' stomachs	8.00
15	Will C. Colt	Birds'stomachs	1.50
10	American Entomological Co	Net Plates	$1.70 \\ 25.20$
18	Oncome & Co. (Incomposited)	Plates	25.20 19.00
	F E L Real	Barometer Traveling expenses	46.46
21	C G Moores	Skulls etc	5. 30
21 29	F. P. May & Co	Skulls, etc Padlocks	21.50
31	T. S. Palmer, et al	Salaries	442.80
June 1	Vernon Bailey	Salary	191.60
	N. Hollister	do	50.00
	Alfred E. Preble	do	50.00
	E. W. Nelson	do	170.40
. 0	E. W. Nelson E. A. Goldman Galveston, Harrisburg and San Antonio	December two per puts tier	136. 20
3	Pury Co	Passenger transportation	11.60
	Rwy. Co. Jas. H. Gant	Travelingernenses	43.28
6	Abercrombie & Fitch	Clothing bags	8.00
10	Jas. H. Gant Abercrombie & Fitch F. P. May & Co	Traveling expenses Clothing bags Traps	4.50
	Mackall Bros Frank Stephens F. E. L. Beal C. Hart Merriam	Arsenic Expenses Traveling expensesdo	2. 75 7. 80 47. 10
12	Frank Stephens	Expenses	7.80
	F. E. L. Bea1	Traveling expenses	47.10
40	C. Hart Merriam	do	130.95
13	.1 H (+9.n)t	do	49.65
15	J. S. Warmbath Vernon Bailey E. W. Nelson	do Mammals Traveling expenses	41. 25
15 16	F W Nolcon	Traveling expenses	60. 05 33. 24
10	E A Goldman	do	29. 25
17	Hudson Bay Co	do	150.00
	E. A. Goldman Hudson Bay Co W. H. Osgood	Birds' stomachs	116.95
20	W. E. Snyder W. W. Worthington	Birds' stomachs	1.50
	W. W. Worthington		37.50
	Uther J. Goldman The Hoggson & Pettis Manufacturing Co- Mary A Bechtler Wm Wagner Walter K, Fisher A. G. Maddren Louis A Evertes	Skulls, etc. Copying cloths	44.95
22	The Hoggson & Pettis Manufacturing Co-	Copying cloths	9.00
	Mary A. Bechtler	Cuttings, etc	49.00
	Wm. Wagner	Powder,etc	33. 55
23	A G Maddyon	Skulls, etc	49. 75 14. 00
40	Louis A. Fuertes	Drawings	180.00
	Southern Printers' Supply Co	Repairing labels	2.40
	Western Union Telegraph Co	Service	15. 92
24	Pennsylvania R. R. Co.	Service Passenger transportation	17.00
	Southern Printers' Supply Co Western Union Telegraph Co Pennsylvania R. R. Co Alaska Steamship Co	do	46.00
	N. Hollister	Traveling expenses	74.30
25	The Grand Canyon Rwy. Co.	Passenger transportation	13.00
	Alaska Steamsin D Co N. Hollister The Grand Canyon Rwy. Co Fohner & Schwing Manufacturing Co. T. S. Palmer W. Silas Sheetz F. P. May & Co Walter K. Fisher T. S. Palmor of co.	do Traveling expenses Passenger transportation Camera Traveling expenses Photo supplies Traps Solony	104.00
	W Siles Shootz	Photo supplies	73.25
	F P May & Co	Trans	49.35 45.00
30	Walter K Fisher	Salary	50.00
90	T. S. Palmer et al	Salaries	466, 52
	Total fourth quarter		5,629.98
	Supplemental.		
July 1	Alden Sampson	Salary	4.00
ary 1	Paul Kruegel	do	3.00
	Paul Kruegel N. Hollister	do	50.00
			50.00
	Luther J. Goldman	do	70.00
	Luther J. Goldman E. A. Goldman E. W. Nelson	do	131.80
	E. W. Nelson	do	164.80
	Vernon Bailey Hudson Bay Co S. D. Judd Z. D. Gilman	do	185.45
o.	S D Indd	Traveling expenses	150.00
2 7	Z D Gilman	Chemicals	12. 40 16. 42
9	Frank Stevens Jno. Wanamaker C. H. Merriam	Salary	70.00
	Inc. Wonomolyon	Alcohol label paper Traveling expenses	36.00
13			

### BIOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Tota
	Supplemental—Continued.		
1903.			
uly 13	W. S. Sheetz	Photo supplies	\$9
14	Vernon Bailey	Traveling expenses	122
1.0	T. S. Palmer	do	24
15	E. A. Goldman	do	66
	Folmer & Schwing Manufacturing Co	Lens	58
16	E D Man & Co	Camera	92
18	F. P. May & Co F. E. L. Beal	Rat traps	0,0
20	J. E. Keavs	Traveling expenses Birds' stomachs	90
20	Mackall Bros	Arsenic	17
	F. A. Schmidt	Pens	
22	J. H. Gant	Traveling expenses	60
23	A. H. Howell	do	38
24	F. W. Nelson	Mammals	96 45
W.1	J. C. Parker	Pens, etc	16
28	E. W. Nelson	Traveling expenses	62
ug. 3	F. W. Nelson	Mammals	46
ug. 5	Merritt Cary	Traveling expenses	- (
٠.	do	do	46
	E. A. Preble		60
12	F. P. May & Co		45
14	T. S. Palmer	Traveling expenses	2
15	Z. D. Gilman	Scissors, etc.	12
10	do	Graduate	18
17	F. W. Nelson	Mammals, etc	2
19	N. Hollister	Traveling expenses	58
10	Wilfred H. Osgood	do	112
26	A. G. Maddren	Mammals	34
	Chas. A. Lambert	Skulls of mammals	38
ept. 16	Church & Stephenson	Lumber	. 1
17	Anthony Scoville Co	Plates	7
18	Western Union Telegraph Co	Telegraph service	15
	Postal Telegraph Cable Co	do	2
	Galveston, Harrisburg and San Antonio	Transportation	11
	Rwy. Co.		
	Southern California Rwy. Co	do	4
19	Chicago and Northwestern Rwy, Co	do	61
	Canadian Pacific Rwy. Co	do	37
	Baltimore and Ohio R. R. Co	do	229
	do	do	41
	White Pass and Yukon Route	do	112
1 10	El Paso and Northeastern Rwy. Co Postal Telegraph Cable Co The Geo. W. Knox Express Co	do	9
et 10	Postal Telegraph Cable Co	Telegraph service	3
	The Geo. W. Knox Express Co	Transportation	-7
28	United States Express Co L. J. Goldman	Thoracling arrange	59 15
28	L.J. Goldman	Travening expenses	10
	RECAPITULA	TION.	
inat a			04 545
	arter		
	quarter		
mru qr	arter quarter		4,310 $5,629$

### SETTLED BY TREASURY.

Total 23,261.38

Date.	Name.	Nature of payment.	Total.
1902.			C# 18
Sept. 22	The Atchison, Topeka and Santa Fe Rwy.	Passenger transportation	<b>\$7.15</b>
Oct. 18 Dec. 9	Baltimore and Ohio R. R. Co. The Atchison, Topeka and Santa Fe Rwy.		$157.00 \\ 7.15$
	Co. Southern Pacific Co	do	3, 25
	do	do	4.65
	The Atchison, Topeka and Santa Fe Rwy.	do	7.15
1000	Co. The Public Printer	Printing bulletins	893.60
1903. Jan. 24	Southern Pacific Co. (Pacific System)do	Passenger transportationdo	114, 25 $63, 25$

# $\label{lem:expenditures} \textit{Expenditures of Department of Agriculture for year ending June~30, 1903---Cont'd.}$

#### SETTLED BY TREASURY—Continued.

Date.	Name.	Nature of payment.	Total.
1903. Apr. 28 June 26	Baltimore and Ohio R. R. Co Southern Pacific Co Baltimore and Ohio R. R. Co The Public Printer	Bear skins Passenger transportationdo Corrections; North American	\$3.80 15.00 145.25 693.35
July 28 Sept. 21 Oct. 26	Southern Pacific Co	do	3.87 6.30 5.60 56.65
	Total		2,187.27

#### BIOLOGICAL INVESTIGATIONS.

#### [Appropriation for 1902-3.]

			ľ
1902.			
June 20	W. Silas Sheetz	Dhoto cumplies	\$44.52
		Photo supplies	
30		Traveling expenses	55. 20
	E. A. Goldman	do	20.20
	Total fourth quarter, 1902		119.92
July	L. J. Goldman	Mammals	19, 10
July	dodo		
7	M. Abbott Frazar	Skulls	
,	J. H. Keen		8, 35
	Peter Schmid		
	W. W. Worthington	Dindel et em e els e	6.00
-	W. W. Worthington	Birds Stomachs	0.00
	Wilford H. Osgood	Traveling expenses	61.65
16	Harry C. Oberholser	ao	37.88
17		do	55.49
22	F. Stevens	do	34.67
24		Mouse traps	
Aug. 14	Vernon Bailey	Traveling expenses	155.96
15	Harry C. Oberholser	do	78.71
18	Harry C. Oberholser Pacific Packing and Navigation Co	Passenger transportation	120,00
	Chicago, Milwaukee and St. Paul Rwy. Co.	do	26, 40
	The Chesapeake and Ohio R. R. Co	do	31. 75
25		Traveling expenses	17.90
Sept. 12	Harry C. Oberholser	do	79.98
18		Passanger transportation	45, 55
10	Rwy. Co.	rassenger transportation	40, 00
	Texas and New Orleans R. R. Co	a .	0 85
90	Texas and New Orleans R. R. Co		
26		do	12.40
	Rwy. Co.		
	Total first quarter		949, 54
Oct. 20		Traveling expenses	9, 90
30	L. J. Goldman	do	59.40
Nov. 17	do	do	323, 25
	Burton L. Cummings	Mammals	9, 75
	Burton L. Cummings W. W. Worthington	Bird's stomach, etc	2.15
18	Baltimore and Ohio R. R. Co	Passenger transportation	174.45
Dec. 3		do	3, 35
	The Texas and Pacific Rwy. Co	do	3.75
18		The reling or money	14.09
	Cyle Colone do and Conto Fo Day Co	December the penses	
19		Passenger transportation	28.46
20	Wilford H. Osgood	Traveling expenses	221, 50
	Total second quarter		850, 05
1903.	1 444 107 1144		200.00
Jan. 26	Burlington and Missouri River R. R. Co	Passenger transportation	30.10
	The state of the s	a description of the second	50.10

### RECAPITULATION.

Fourth quarter, 1902	\$119,92
First quarter, 1903	949.54
Second quarter	850.05
Third quarter	30.10

### PUBLICATIONS, FARMERS' BULLETINS.

Date.	. Name.	Nature of payment.	Total.
1902. July 25 31 Aug. 5 23 30	Southern Printers' Supply Co R. M. Reese et al. Alpha Photo-Engraving Co. The Publishers and Printers' Engraving Co. R. M. Reese et al.	Salaries Engravings do Salaries	\$7. 84 455. 49 22. 50 16. 26 500. 46
Sept. 30	Total first quarter		512.20
Oct. 6 23 31 Nov. 17 29 Dec. 31	The Publishers and Printers' Engraving Co do R. M. Reese et al The Maurice Joyce Engraving Co R. M. Reese et al do	Engravings do Salaries Engraving Salaries	1,514.75 10.00 18.89 523.90 .85 512.20 473.00
Dec. 31	Total second quarter		1,539,74
1903. Jan. 5 22 24 31 Feb. 28 Mar. 31	C. S. Plumb The Publishers and Printers' Engraving Co The Maurice Joyce Engraving Co R. M. Reese et al do do	Manuscript Engravings do Salaries do	110, 00 10, 08 3, 60 482, 00 446, 00 432, 00
Apr. 30 May 31 June 30	Total third quarter  R. M. Reese et al do do	Salaries	1,483.68 406.70 416.60 430.03
	Total fourth quarter		1,253,33
July 2 17 Oct. 22	G. E. Howard J. B. Smith Andrew Boss	do	250.00 150.00 150.00
	Total		550,00
	RECAPITULA		
Third qu Fourth	arter quarter aarter quarter quarter		1,483,68 1,253,33
То	tal		6,341.50

Date.	Name.	Nature of payment.	Total.
1902. Dec. 9 1903. Feb. 5 Mar. 4 Apr. 3 May 7 June 26 July 14 28 Sept. 21	The Public Printer	do d	\$49, 638, 59 4, 467, 38 2, 694, 54 2, 703, 73 1, 732, 41 3, 666, 80 2, 914, 67 1, 638, 90 2, 914, 67 1, 694, 46 1, 689, 21 707, 77 941, 70 3, 241, 07
	do do Total	do	2,397.85 512.84 88,993.79

### ARTISTS, DRAFTSMEN, ENGRAVERS, ETC.

	te.	Name,	Nature of payment.	Total.
190	9			
uly	19	J. Baumgarten & Son	Numbering machine	\$9.8
٠	24	Jno. R. Galloway	Ceiling fan	80.0
	25	Southern Printers' Supply Co	Electro Map	1.8 2.0
	90	Jno. R. Galloway Southern Printers' Supply Co Fred A. Schmidt	Panar	11.8
	29 31	L. S. Williams et al H. S. Walter et al	Salaries do Electric fans Desk and chairs	407.
	01	H. S. Walter et al	do	407. 5 6, 558. 7 50. 0
ug.	5		Electric fans	50.0
		Woodward & Lothrop Tyler & Rutherford (Incorporated) Ernest Betz J. Manz Engraving Co.	Desk and chairs	56.4
	8 19	Francis Botz	Rent Paste cups Engravings Gum arabic	116.6
	21	J. Manz Engraving Co	Engravings	1. 2 47. 8
			Gum arabic	100.0
	23	Yawman & Erbe Manufacturing Co The Publishers and Printers' Engraving	CardsEngraving	52.
		The Publishers and Printers' Engraving	Engraving	14.2
	26	Co. E. J. Pullman W. B. Moses & Sons The Hammond Typewriter Co Rudolph, West & Co Jno. C. Parker The Publishers and Printers' Engraving	Plates, etc	15. 7
	~0	W. B. Moses & Sons	Plates, etc	85.4
		The Hammond Typewriter Co	Shuttle	2. 5
	1	Rudolph, West & Co	Paste brushes Wire basket Engraving	5.4
	28	Jno. C. Parker	Wire basket	3.0 1.0
	20		Engraving	1.0
	30	L. S. Williams et al	Salaries	468.6
		L. S. Williams et al H. S. Walter et al Tyler & Rutherford (Incorporated)	do	468.6 6,427.1
ept.	. 2	Tyler & Rutherford (Incorporated)	Rent	116, 6
	ō	J P Nawrath	Twine	68.
		Church & Stephenson Southern Printers' Supply Cododo	Twine Lumber Electros	68.3 57.
	17	do	do	3. 6
		Z. D. Gilman	Ether, etc.	11.0 12.9
		Z. D. Gilman F. W. Gesswein & Co Rudolph, West & Co Wolf Bros C. F. Curtiss Edwin A Adt	Tools	12.9
		Rudolph, West & Co	Sash lifts	ا سدو
		WOII BYOS	Horses	277. 5 500. 0
	19	Edwin A. Adt	Salary	20.0
	24	Edwin A. Adt The Chesapeake and Potomac Telephone	Electros do Ether, etc Tools Sash lifts Envelopes Horses Salary Moving telephones	4.0
		Co. A. B. Barnes & Co.	Conving paper	27. 3
	25 27	A. R. Barnes & Co Fred A. Schmidt	Photographic paper	1.8
	27	JOS. A. APROIG	Traveling expenses	38.6
		Southern Printers' Supply Co. J. Baumgarten & Son	Photographic paper Traveling expenses Electros Numbering machine	6. 3 9. 8
	30	J. Baumgarten & Son	Numbering machine	9. 8 453. ·
	90	L. S. Williams et al H. S. Walter et al	Salariesdo	6, 292.
		Total first quarter	·	22, 390.
	1			
ct		Wolf Bros	Envelones	125
ct.	4	Wolf Bros C. Becker	Envelopes	135.
ct.		Wolf Bros C. Becker The Randolph Paper Box Co	Brushes, etc. Boxes	7.1
ct.	6	Wolf Bros. C. Becker The Randolph Paper Box Co A.P. Johnson	Envelopes Brushes, etc Boxes	7. 44. 19.
ct.	4	Wolf Bros C. Becker The Randolph Paper Box Co A. P. Johnson J. F. Strauss	Envelopes Brushes, etc Boxes	7. 44. 19. 5.
ct.	4 6 11	Wolf Bros C. Becker The Randolph Paper Box Co A.P. Johnson J. F. Strauss Thos. E. Trazzane Tyler & Rutherford (Incorporated)		7. 44. 19. 5. 525.
ct.	6	Tyler & Rutherford (Incorporated)	Rent	7 44 19 5 525 116 6
ct.	4 6 11 15 17	Tyler & Rutherford (Incorporated)	Rent Dividers	7 44 19 5 525 116 6 2
ct.	4 6 11 15	Tyler & Rutherford (Incorporated)	Rent Dividers	7. 44. 19. 5. 525. 116. 6. 2. 49.
et.	11 15 17 18	Tyler & Rutherford (Incorporated)	Rent Dividers	7. 44. 19. 5. 525. 116. 6. 2. 49. 98.
et.	4 6 11 15 17 18 20	Tyler & Rutherford (Incorporated)	Rent Dividers	7. 44. 19. 5. 525. 116. 6. 2. 49. 98. 2,286.
et.	11 15 17 18	Thos. E. Trazzane Tyler & Rutherford (Incorporated) Fred A. Schmidt Jas. B. Lambie P. H. Heiskell, jr., & Co W. B. Moses & Sons United States Envelope Co The Maurice Joyce Engraving Co. D. L. Coon & Co.	Rent Dividers Locks, etc Harness Furniture Envelopes Engravings Store of	7. 44. 19. 5. 525. 116. 6. 2. 49. 98. 2,286.
et.	11 15 17 18 20 28	Thos. E. Trazzane Tyler & Rutherford (Incorporated) Fred A. Schmidt Jas. B. Lambie P. H. Heiskell, jr., & Co W. B. Moses & Sons United States Envelope Co The Maurice Joyce Engraving Co. D. L. Coon & Co.	Rent Dividers Locks, etc Harness Furniture Envelopes Engravings Store of	7. 44. 19. 5. 525. 116. 6. 2. 49. 98. 2,286. 3.
et.	4 6 11 15 17 18 20	Thos. E. Trazzane Tyler & Rutherford (Incorporated) Fred A. Schmidt Jas. B. Lambie P. H. Heiskell, jr., & Co W. B. Moses & Sons United States Envelope Co The Maurice Joyce Engraving Co. D. L. Coon & Co.	Rent Dividers Locks, etc Harness Furniture Envelopes Engravings Store of	7. 44. 19. 5. 525. 116. 6. 2. 49. 98. 2,286. 3. 12. 25. 531.
	4 6 11 15 17 18 20 28	Thos. E. Trazzale Tyler & Rutherford (Incorporated) Fred A. Schmidt Jas. B. Lambie P. H. Heiskell, jr., & Co W. B. Moses & Sons United States Envelope Co The Maurice Joyce Engraving Co D. L. Coon & Co J. Manz Engraving Co L. S. Williams et al	Rent Dividers Locks, etc Harness Furniture Envelopes Engravings Storage Engravings Salaries	7. 44. 19. 5. 525. 116. 6. 2. 49. 98. 2,286. 3. 12. 25. 531. 6,337.
	4 6 11 15 17 18 20 28	Thos. E. Trazzale Tyler & Rutherford (Incorporated) Fred A. Schmidt Jas. B. Lambie P. H. Heiskell, jr., & Co W. B. Moses & Sons United States Envelope Co The Maurice Joyce Engraving Co D. L. Coon & Co J. Manz Engraving Co L. S. Williams et al	Rent Dividers Locks, etc Harness Furniture Envelopes Engravings Storage Engravings Salaries	7. 44. 19. 5. 525. 116. 2. 49. 98. 2,286. 3. 12. 25. 531. 6,337.
	4 6 11 15 17 18 20 28 31	Thos. E. Trazzale Tyler & Rutherford (Incorporated) Fred A. Schmidt Jas. B. Lambie P. H. Heiskell, jr., & Co W. B. Moses & Sons United States Envelope Co The Maurice Joyce Engraving Co D. L. Coon & Co J. Manz Engraving Co L. S. Williams et al	Rent Dividers Locks, etc Harness Furniture Envelopes Engravings Storage Engravings Salaries	7. 44. 19. 5. 525. 116. 2. 49. 98. 2,286. 3. 12. 25. 531. 6,337.
	4 6 11 15 17 18 20 28	Thos. E. Trazzale Tyler & Rutherford (Incorporated) Fred A. Schmidt Jas. B. Lambie P. H. Heiskell, jr., & Co W. B. Moses & Sons United States Envelope Co The Maurice Joyce Engraving Co D. L. Coon & Co J. Manz Engraving Co L. S. Williams et al	Rent Dividers Locks, etc Harness Furniture Envelopes Engravings Storage Engravings Salaries	7. 44. 19. 5. 525. 1116. 6. 2. 49. 98. 2,286. 3. 12. 25. 531. 116.
	4 6 11 15 17 18 20 28 31 . 5	Thos. E. Trazzale Tyler & Rutherford (Incorporated) Fred A. Schmidt Jas. B. Lambie P. H. Heiskell, jr., & Co W. B. Moses & Sons United States Envelope Co The Maurice Joyce Engraving Co D. L. Coon & Co J. Manz Engraving Co L. S. Williams et al	Rent Dividers Locks, etc Harness Furniture Envelopes Engravings Storage Engravings Salaries	7. 44. 19. 5. 525. 116. 6.
	4 6 11 15 17 18 20 28 31	Thos. E. Trazzale Tyler & Rutherford (Incorporated) Fred A. Schmidt Jas. B. Lambie P. H. Heiskell, jr., & Co W. B. Moses & Sons United States Envelope Co The Maurice Joyce Engraving Co D. L. Coon & Co J. Manz Engraving Co L. S. Williams et al H. S. Walter et al H. S. Walter et al H. S. Walter of (Incorporated) Southern Printers' Supply Co E. J. Pullman Rudolph, West & Co Z. D. Gilman Southern Printers' Supply Co	Rent Dividers Locks, etc. Harness. Furniture Envelopes Engravings Storage Engravings Salaries do Rent Electros Photo paper Tires Oil Electros	7. 44. 19. 5. 525. 5116. 6. 2. 49. 98. 2, 286. 3. 12. 25. 531. 6, 397. 116.
	4 6 11 15 17 18 20 28 31 . 5	Thos. E. Trazzane Tyler & Rutherford (Incorporated) Fred A. Schmidt Jas. B. Lambie P. H. Heiskell, jr., & Co W. B. Moses & Sons United States Envelope Co The Maurice Joyce Engraving Co D. L. Coon & Co J. Manz Engraving Co L. S. Williams et al H. S. Walter et al Tyler & Rutherford (Incorporated) Southern Printers' Supply Co E. J. Pullman Rudolph, West & Co Z. D. Gilman Southern Printers' Supply Co	Rent Dividers Locks.etc Harness Furniture Envelopes Engravings Storage Engravings Salaries do Rent Electros Photo paper Tires Oil Electros	7. 44. 19. 5. 525. 116. 6. 2. 49. 98. 2,286. 3. 12. 25. 531. 116.
	4 6 11 15 17 18 20 28 31 . 5	Thos. E. Trazzane Tyler & Rutherford (Incorporated) Fred A. Schmidt Jas. B. Lambie P. H. Heiskell, jr., & Co W. B. Moses & Sons United States Envelope Co The Maurice Joyce Engraving Co D. L. Coon & Co J. Manz Engraving Co L. S. Williams et al H. S. Walter et al Tyler & Rutherford (Incorporated) Southern Printers' Supply Co E. J. Pullman Rudolph, West & Co Z. D. Gilman Southern Printers' Supply Co	Rent Dividers Locks.etc Harness Furniture Envelopes Engravings Storage Engravings Salaries do Rent Electros Photo paper Tires Oil Electros	7. 44. 19. 5. 5. 5. 5. 5. 116. 6. 2. 2. 49. 9. 8. 2., 286. 3. 12. 2. 25. 531. 16. 6. 337. 11. 11. 11. 11. 11. 11. 11. 11. 11. 1
	4 6 11 15 17 18 20 28 31 . 5	Thos. E. Trazzane Tyler & Rutherford (Incorporated) Fred A. Schmidt Jas. B. Lambie P. H. Heiskell, jr., & Co W. B. Moses & Sons United States Envelope Co The Maurice Joyce Engraving Co D. L. Coon & Co J. Manz Engraving Co L. S. Williams et al H. S. Walter et al Tyler & Rutherford (Incorporated) Southern Printers' Supply Co E. J. Pullman Rudolph, West & Co Z. D. Gilman Southern Printers' Supply Co	Rent Dividers Locks.etc Harness Furniture Envelopes Engravings Storage Engravings Salaries do Rent Electros Photo paper Tires Oil Electros	7. 44. 19. 5. 525. 116. 6. 2. 49. 98. 2,286. 3. 12. 25. 531. 16.,397. 116.
	4 6 11 15 17 18 20 28 31 . 5	Thos. E. Trazzane Tyler & Rutherford (Incorporated) Fred A. Schmidt Jas. B. Lambie P. H. Heiskell, jr., & Co W. B. Moses & Sons United States Envelope Co The Maurice Joyce Engraving Co D. L. Coon & Co J. Manz Engraving Co L. S. Williams et al H. S. Walter et al Tyler & Rutherford (Incorporated) Southern Printers' Supply Co E. J. Pullman Rudolph, West & Co Z. D. Gilman Southern Printers' Supply Co	Rent Dividers Locks.etc Harness Furniture Envelopes Engravings Storage Engravings Salaries do Rent Electros Photo paper Tires Oil Electros	7. 44. 19. 5. 5. 5. 5. 5. 116. 6. 2. 49. 9. 8. 2., 286. 3. 12. 25. 5. 531. 6., 337. 116. 1. 4. 9. 9. 8. 2. 2. 55. 531. 12. 2. 2. 55. 55. 55. 55. 56. 56. 56. 56. 56. 56
	4 6 11 15 17 18 20 28 31 . 5 . 13	Thos. E. Trazzale Tyler & Rutherford (Incorporated) Fred A. Schmidt Jas. B. Lambie P. H. Heiskell. jr. & Co W. B. Moses & Sons United States Envelope Co The Maurice Joyce Engraving Co D. L. Coon & Co J. Manz Engraving Co L. S. Williams et al Tyler & Rutherford (Incorporated) Southern Printers' Supply Co E. J. Pullman Rudolph, West & Co E. J. Pullman Southern Printers' Supply Co J. P. Nawyath C. Becker R. P. Andrews & Co. (Incorporated) American Cycle Manufacturing Co The Pennsylvania R. R. Co New York New Haven and Hartford R. R. Co	Rent Dividers Locks, etc Harness Furniture Envelopes Engravings Storage Engravings Salaries do Rent Electros Photo paper Tires Oil Electros Twine Horse covers, etc Wrapping paper Repairs to bicycles Passenger transportation	7. 44. 19. 5.5. 525. 116. 6. 6. 2. 49. 98. 2,286. 3. 12. 25. 531. 6,387. 116. 4. 9. 9. 50. 39. 125. 6.
ov.	4 6 11 15 17 18 20 28 31 . 5 13	Thos. E. Trazzale Tyler & Rutherford (Incorporated) Fred A. Schmidt Jas. B. Lambie P. H. Heiskell, jr., & Co W. B. Moses & Sons United States Envelope Co The Maurice Joyce Engraving Co D. L. Coon & Co J. Manz Engraving Co L. S. Williams et al H. S. Walter et al H. S. Walter et al H. S. Walter of (Incorporated) Southern Printers' Supply Co E. J. Pullman Rudolph, West & Co Z. D. Gilman Southern Printers' Supply Co	Rent Dividers Locks.etc Harness Furniture Envelopes Engravings Storage Engravings Salaries do Rent Electros Photo paper Tires Oil Electros	7. 44. 19. 5. 5. 5. 5. 5. 116. 6. 2. 49. 9. 8. 2., 286. 3. 12. 25. 5. 531. 6., 337. 116. 1. 4. 9. 9. 8. 2. 2. 55. 531. 12. 2. 2. 55. 55. 55. 55. 56. 56. 56. 56. 56. 56

### ARTISTS, DRAFTSMEN, ENGRAVERS, ETC.—Continued.

Date.	. Name.	Nature of payment.	Total.
1902.			
Nov. 20	F. W. Gesswein Co. Wolf Bros Geo. Meier & Co. The Maurice Joyce Engraving Co. S. P. Johnson H. S. Watter et al L. S. Williams et al Thos E. Trazzane	Pad Envelopes Gum arabic	\$1.25 178.00
	Goo Mojor & Co	Cum anabia	60.00
22	The Maurice Joyce Engraving Co	Engravings	1.00
29	S. P. Johnson	Engravings Repairs to typewriter Salariesdo	5.00
	H. S. Walter et al	Salaries	5, 00 6, 216, 96 504, 40
D 1	L. S. Williams et al	do	504.40
Dec. 1	L. S. Williams et al Thos. E. Trazzane American Cycle Manufacturing Co The Elliott Co United States Envelope Co The Maurice Joyce Engraving Co Jno. C. Parker Library Bureau Ernest Betz W. B. Moses & Sons. Tyler, & Rutherford (Incorporated)	Wagon apron Cleaning bicycle	4.00
2	The Elliott Co	Addressing machine, etc	$\begin{array}{c} 1.15 \\ 350.00 \end{array}$
4	United States Envelope Co	Envelopes Engraving Envelopes Binders Paste cups, etc	189. 40
5	The Maurice Joyce Engraving Co	Engraving	9.50
6	Jno. C. Parker	Envelopes	35.00
8	Ernost Potz	Binders	6.60 2.16
10	W. B. Moses & Sons	Desks	
12	Tyler & Rutherford (Incorporated)	Rent	116.66
	Rudolph, West & Co	Pitchfork	.75
	W. B. Moses & Sons. Tyler & Rutherford (Incorporated) Rudolph, West & Co Barber & Ross. The Hammond Typewriter Co M. Du Perow A. P. Johnson  do Coo W. Willon & Co	Rent	. 90
	The Hammond Typewriter Co	Repairs to typewriter	5.00
	A P Johnson	Cut	2. 75 2. 11
	do	do	.53
	Geo. W. Millar & Co	Paper	206.10
	Wolf Bros	Envelopes	181.56
17	Southern Printers' Supply Co	Electros	4.80
31	A. F. Johnson do Geo. W. Millar & Co. Wolf Bros Southern Printers' Supply Co. Fred A. Schmidt L. S. Williams et al H. S. Walter et al	- do Paper Envelopes Electros Artists' materiais Salaries - do	9, 27 734, 30
51	H.S. Walter et al	do	5, 835, 42
	11.0. 17 0101 01 01111111111111111111111		
	Total second quarter		25, 466, 62
1903.	O 777 771	G 1	W W.
Jan. 3	Geo. W. King Southern Printers' Supply Co	Salary	7.74
12	Geo F Muth & Co	Helio paper etc	2, 75 11, 85
112	Rudolph, West & Co	Paste brushes	10.00
	Tyler & Rutherford (Incorporated)	Electros Helio paper, etc Paste brushes Rent	116 66
13	Fred A. Schmidt	Ink, etc	28.74
	Geo. F. Muth & Co. Rudolph, West & Co. Tyler & Rutherford (Incorporated) Fred A. Schmidt American Cycle Manufacturing Co.	Tire	28. 74 3. 75 2. 00
	American Cycle Manufacturing Codo S. P. Johnson J. Manz Engraving Co The Alpha Photo-Engraving Co Library Bureau Wolf Bros Lillian L. Howenstein The Maurice Joyce Engraving Codo	Bell, chain, etc Repairs to typewriter Engraving	4. 35
15	J. Manz Engraving Co	Engraving.	20.00
	The Alpha Photo-Engraving Co	do	4.50
	Library Bureau	Card-index case	54.50
16	Wolf Bros	Envelopes	174. 44 15. 00
21	The Maurice Joyce Engraving Co	Enveropes Salary Engraving do do Photo paper Velox Frame Scord wheter of c	.50
10.1	do	do	2.00
	do E. J. Pullman	do	6.56
	E.J. Pullman	Photo paper	1.80
24	M Silvenbour & Co	Velox	2.97 2.50
24	E. J. Pullman	Seed plates etc	9. 02
27	Paul D. Sullivan	Drawings.	50.00
27 31	E. J. Pullman do M. Silverberg & Co E. J. Pullman Paul D. Sullivan L. S. Williams et al H. S. Walter et al Jno. C. Parker C. Becker E. J. Pullman	rrame Seed plates, etc Drawings Salaries do Envelopes	783.80
T2-1- C	H. S. Walter et al	do	6,009.62
Feb. 2	Jno, C. Parker	Envelopes Bit	47. 07 . 75 2. 93
9	E J Pullman	Mounts	2.99
v	E. J. Pullman Mackall Bros	Mounts Chemicals	
	W G Orn & Co	Washtubs	. 75
16	Jos. A. Arnold The Alpha Photo-Engraving Co. The Publishers and Printers' Engraving	Washtubs Traveling expenses Engravings	7. 15 11. 35
19	The Alpha Photo-Engraving Co	Engravings	23.95
	Co.	ao	20. 90
	Tyler & Rutherford (Incorporated)	Rent	116.66
20	Gatchel & Manning	Illustrations	25.00
21	The Maurice Joyce Engraving Co	Engravings	5.05
05	The American Cycle Manufacturing Co	Repairs to bicycle	1.00 1.75
25 28	I. S. Williams of al	Rent Illustrations Engravings Repairs to bicycle Electros Salaries	785.80
40	H. S. Walter et al	do	785. 80 5, 901. 03
Mar. 3	S. M. Tracy	Manuscript	300, 00
5	Fred A. Schmidt	Salaries do Manuscript Drawing materials Engravings do	21. 34
9	J. Manz Engraving Co	Engravings	37, 00 9, 14
	Co. Tyler & Rutherford (Incorporated) Gatchel & Manning The Maurice Joyce Engraving Co. The American Cycle Manufacturing Co. Southern Printers' Supply Co. L. S. Williams et al H. S. Walter et al S. M. Tracy Fred A. Schmidt J. Manz Engraving Co The Publishers and Printers' Engraving Co.	do	9. 14
11	Co. E. J. Pullman	Cotton	1.35
21	The Maurice Joyce Engraving Co	Engravingsdo	4.75
			.75

### ARTISTS, DRAFTSMEN, ENGRAVERS, ETC.—Continued.

Da	ate.	Name.	Nature of payment.	Total.
19	03.			
Mai	. 11	Chas. R. Edmonston	Solarine and rollers	\$1.30
	14	Chas, R. Edmonston Walker Engraving Co The Publishers and Printers' Engraving	Engravings	7.50
				6. 67
		The J. Manz Engraving Co. The Alpha Photo-Engraving Co. Jas. M. Bryant American Cycle Manufacturing Co. United States Envelope Co. Tribor & Purtherford (Presuperated)	do	18.00
		The Alpha Photo-Engraving Co	do	9.40
		Jas. M. Bryant	Woodcut	40.00 10.90
		United States Envelope Co	Envelopes	13.60
	16 18	United States Envelope Co. Tyler & Rutherford (Incorporated) The American Cycle Manufacturing Co	Rent Bicycle	116.66
	18	The American Cycle Manufacturing Co	Bicycle	40.00
		C. Becker	Repairs to harness	16.85 9.33
		The American Cycle Manufacturing Co. C. Becker J. Baumgarten & Son Holmes & Co Wolf Bros The M. Lindsay Rubber Co. E. J. Pullman L. S. Williams et al H. S. Walter et al	Bicycle Repairs to harness Numbering machine Rubber cloth Envelopes Gloves Photo paper Salaries do	1.20
		Wolf Bros	Envelopes	1.20 1.78
	19	The M. Lindsay Rubber Co	Gloves	2.00
	24 31	E.J. Pullman	Photo paper	2. 85 828. 14
	91	H.S. Willams et al.	do	6,054.87
		ii.o. water et al		
		Total third quarter		21,811.90
A 202		Inc M Bryont	Engraving on wood	91.00
Apr	. 4	Jas. M. Bryant	Engraving on wood	24.00 20.00
	3	The Maurice Joyce Engraving Co.	Engraving	, 75
		John C. Parker	Drawing Engraving Scrapbook	22, 85
	P/	John C. Parker Tyler & Rutherford Southern Printers' Supply Co E. J. Pullman The Maurice Joyce Engraving Co	Rent	116.66
	7	E. J. Pullman	Wood cuts Plates, etc Engraving Holders Desk, shades, etc Cord Engraving	2.90 4.33
		The Maurice Joyce Engraving Co	Engraving	3, 95
		Horace Gosarn	Holders	5,00
	9	Horace Gosarn W. B. Moses & Sons M. Du Perow The Publishers and Printers' Engraving	Desk, shades, etc	23.01
	13 14	M. Du Perow	Cord	10.00
	14	Co.	Engraving	31.59
		The Elliott Co	Stencils	26.08
	16	The Publishers and Printers' Engraving	Engraving	10.45
	17	Co. Thos. Somerville & Sons	Alterations to lift, etc	19.40
	14	Lamb & Tilden	Stamps	2 50
		Lamb & Tilden. Library Bureau Baltimore and Ohio R. R. Co	Cards, etc	2.50 62.10
	18	Baltimore and Ohio R. R. Co	Cards, etc	4.00
		The Fennsylvania K. K. Co	Repairs to machine	4.00
	27	D. Frank Parker The Publishers and Printers' Engraving	Engravings	5, 20 1, 75
	~.	Co	Engravings	1.10
	28	Fred. A. Schmidt L. S. Williams et al H. S. Walter et al	Pens, etc	9.45
	30	L. S. Williams et al.	Salaries	816.80
May	7 2		do	5,984.10 1.80
шиу	~	Z.D. Gillian The Elliott Co Southern Printers' Supply Co Geo. F. Muth & Co E. J. Pullman	Cabinet, etc	23.60
	8	Southern Printers' Supply Co	Electro Paper	1.40
		Geo. F. Muth & Co.	Paper	6.60
		E. J. Pullman The Maurice Joyce Engraving Co	E-morings	5.40
		do	do	1.60
	15	The Publishers and Printers' Engraving	do	1.70 4.78
		Co.		
	16	A.P. Johnson, jr	Boxwood	2.10
	ro	Fred. A. Schmidt The Maurice Joyce Engraving Co	Rule, etc Engraving	6, 75
		C. Becker	Hoof packing	. 93 2. 00
	18	The Publishers and Printers' Engraving	Hoof packing Engravings	2.00
		Co.		
	19	do United States Envelope Co Tyler & Rutherford (Incorporated) Louis S. Williams Geo. W. Wells Walker & Hazleton W. H. Dyer L. S. Williams et al H. S. Walters et al Truman G. Palmer	Envelopes	3.35 2,393.04
	21	Tyler & Rutherford (Incorporated)	Rent	116.66
	25 26	Louis S. Williams	Traveling expenses	3.40
	26	Geo. W. Wells	Repairs to bicycles	, 50
	29	W H Dyer	Moldings	. 50
	31	L. S. Williams et al	Envelopes. Rent Traveling expenses Repairs to bicycles Lock, etc Moldings Salaries	. 48 886. 40
_		H. S. Walters et al	do	5,694.44
Jun	e 5	Truman G. Palmer	Article on "Sugar Beet Cul- ture."	60.00
				4 **
		The Publishers and Printers' Engraving	Engravings	1.75
	i	do	do	22.82
		do Jas. M. Bryant	do	10.58
		Jas. M. Bryant	do	26.00

# $Expenditures of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30,1903-{\tt Cont'd}.$

### ARTISTS, DRAFTSMEN, ENGRAVERS, ETC.—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
June 5	Library Bureau	Dictionary stand	\$47.00
9	The Newig Potens Co	Mon	35, 00
	Jno. R. Galloway American Cycle Manufacturing Co Wolf Bros Tyler & Rutherford	Electric fan	28.00
	American Cycle Manufacturing Co	Repairs to bicycle	3.0
	Wolf Bros	Envelopes	27.50
10	Fred. A. Schmidt	Rent	$\frac{116.6}{471.3}$
10	The Publishers and Printers' Engraving Co.	Engravings	16. 1
	Southern Printers' Supply Co	Electrosdo	.3
	Lamb & Tilden	Repairs to dater	1.0
	M. Du Perow Jos. A. Arnold R. Carter Ballantyne	Hooks	2. 5 32. 2 3. 7
11	Jos. A. Arnold	Traveling expenses	32.2
12	R. Carter Ballantyne	Pens	10.3
	W. B. Moses & Sonsdo	Chairs Felt lining	2.2
	Rudolph West & Co	Broom	6. 6.
17	Rudolph, West & Co Yawman & Erbe Manufacturing Co	Files	2.9
	do	Cards	2.8
1	The Publishers and Printers' Engraving	Engravings	33.1
20	do	dodo	34.1
22	do Jas. M. Bryant The Randolph Paper Box Co Fred A. Schmidt F. J. Pable	do	28.0
20	The Randolph Paper Box Co	Boxes	90.0
23	Fred A. Schmidt	Blueprint paper	2.7 4.7 5.0
			4.7
	Couthon Drintons! Carrels Co.	Floatnon	3.0
25	Hugh Reilly Southern Printers' Supply Co Martin Wiegand Pennsylvania R. R. Co	Tags	96.0
29	Pennsylvania R R Co	Passenger transportation	6.0
20	do	do	17.0
30	L. S. Williams et al	Salaries	965. 7
	H.S. Walter et al	do	5,606.4
	Total fourth quarter		24, 184. 7
	Supplemental.		00.5
July 1	Wolf Bros	Paper and envelopes	82.5 93.0
~	J. Manz Engraving Co	Engravings	95.0
7	Church & Stanbanger	Lumber	25. 8 15. 7 6. 5
	Geo F Muth & Co	Pencil sharpener	6.5
13	The Maurice Joyce Engraving Co. Church & Stephenson. Geo. F. Muth & Co The Publishers and Printers' Engraving Co.	Engravings	13. 5
	do	do	7.9
	J. M. Bryant	do	46.0
	J. M. Bryant J. Manz Eugraving Co	do	48. 7
	E.J. Pullman	Plates, etc	5.5
10	E. Morrison Paper Co Southern Printers' Supply Co	Set of numbers	18.0
16	dodo	Electro	6.4
	The Publishers and Printers' Engraving Co.	Engravings	1.7
	W. B. Moses & Sons	Bookcase	26.0
24	E. J. Pullman	Bookcase	85.0
~1	E. J. Pullman Tyler & Rutherford	Rent	116.6
28	J.F. Strauss		50.0
Aug. 10	J.F. Strauss The Folmer & Schwing Manufacturing Co-	Photo apparatus Ribbon for dater	353.6
15			270.0
18	F. A. Schmidt	Paper, etc	270.0 1.2
19	F. A. Schmidt. Pennsylvania R. R. Co Pittsburg. Cincinnati, Chicago and St.	Transportationdo	16.0
24			43.0
Oct. 22	E.J. Pullman The Anthony & Scoville Co	do	326.

#### RECAPITULATION.

First quarter	\$22,390.93
Second quarter	20,400,02
Third quarter	21.011.00
Supplemental	1,661.17
Total	95,515.34

### COLLECTING AGRICULTURAL STATISTICS.

Date.	Name.	Nature of payment.	Tota
1902.			
July 17	Jno. Hyde Washington City post-office G.K. Holmes et al B.C. White B.C. White	Traveling expenses	\$14
	Washington City post-office	Stamps. Salaries	3, 20
31	G. K. Holmes et al	Salaries	3,20.
Aug. 1	B. C. White	Salary	189
	Thos. B. Baldwin Edwd. S. Holmes, jr Victor H. Olmsted	do	189
	Victor H Olmsted	do	140
	Jno. J. Darg	do	122
	Jno. J. Darg Jno. S. Charlton	do	119
	Jno. S. Chariton H. G. Krum Thos. C. Holloway Lamb & Tilden E. T. Peters L. M. Erskine	do	40
4	Thos. C. Holloway	Traveling expenses	10
	Lamb & Tilden	Stamp pads	40
5	E. T. Peters	Salary	136
	L. M. Erskine	00	50 23
6	The Hammond Typewriter Co	do	24
8	B C White	Shields Trayeling expenses	14
0	Jno J Darg	do	147 131
	Herbert H. Mowry	Salarydo Traveling expenses	40
	Jno. L. Cantwell	do	20
9	Thos. B. Baldwin	Traveling expenses	129
11	L. M. Erskine C. Bollinger The Hammond Typewriter Co B. C. White Jno J. Darg Herbert H. Mowry Jno L. Cantwell Thos. B. Baldwin Edwd. L. Holmes, jr W. O. H. Shepard Oswald Wilson Southern Rwy Co Arbor R. R. Co Edwd. C. Parker Henry Hawkins Victor H. Olmsted Jno. S. Charlton	do	123
14	W.O.H.Shepard	Salary	20
16	Oswald Wilson	Salarydo	67
18	Southern Rwy Co	Passenger transportation	23
20	Fdwd C Paulson	Colour	40
20	Henry Hawkins	Salarydo	20
	Victor H Olmsted	Travelingevnenses	69
	Jno S Charlton	do	62 103
21	Victor H. Olmsted Jno. S. Charlton E. T. Peters R. Carter Ballantyne The Hammond Typewriter Co Thos. B. Baldwin B. C. White	do	100
21 28	R. Carter Ballantyne	Pens.	4
	The Hammond Typewriter Co	Shuttle	
30	Thos. B. Baldwin	Salary	18: 18:
	B.C. White	Salary	183
	Jno. J. Darg	do	130
	Geo. H. Holmes et al.	Salaries	3,13
ept. 4	Geo. H. Holmes et al Edwd. S. Holmes, jr Victor H. Olmsted Henry Hawkins	Salary	18: 18:
5	Victor H. Olmsted		
	Herry C. Kum	do	20
	Harry G. Krum Jno. S. Charlton	do	18
5	C. Ballinger	do	25
6	H. H. Mowry	do	40
	Edw. C. Parker	do	40
	C. Ballinger H. H. Mowry Edw. C. Parker Jio. N. Cantwell	do	20
	L. M. Erskine Jno. J. Darg. Thos. B. Baldwin Edw. S. Holmes, jr B. C. White Victor H. Olmsted Jno. S. Charlton Bield H. Lee	do	50
8	Jno. J. Darg	Traveling expenses	129
	Thos. B. Baldwin	do	13:
9	Edw. S. Holmes, Jr	do	10:
	Vigtor II Olmotod	0D	136
12 17	Ino S Charlton	do	97
18			100
	Southern Rwy, Co	Salary Passenger transportation do	12
	Southern Rwy. Co. Alabama Great Southern R. R. Co.	do	10
	Northern Pacific Rwy. Co W. O. H. Shepard	do	(
20	W.O.H. Shepard	Salary	20
26	The Pullman Co	Passenger transportation	33
	Chicago, Milwaukee and St. Paul Rwy. Co- The Atchison, Topeka and Santa Fe Rwy.	do	11
	The Atchison, Topeka and Santa Fe Rwy.	do	
	Burlington and Missonni Divon D. D. Co.	do	40
	Norfolk and Washington Steamboat Co	do	*
30	Burlington and Missouri River R. R. Co Norfolk and Washington Steamboat Co Jno. Cowine	Salary	200
	W. C. Duncan	do	200
	W. W. Miller	do	200
	Jno. S. Charlton	do	189
	Plum A. Rogers	do	17
	W.G. Whitmore	do	178
	S. Arthur Knapp	do	163
	Jno. Cowine W. C. Duncan W. W. Miller Jno. S. Charlton Plum A. Rogers W. G. Whitmore S. Arthur Knapp Mahlon T. Lightner Chas. H. Morse W. H. Northern E. F. Scherbel	do	150
	W H Nouthour	do	150
	E E Scherhol	do	150
	E E Kanfman	do	150 150
	E. F. Scherbel E. E. Kaufman R. H. Thomas	do	150
			133
	E. M. Hemphill Oswald Wilson	do	13
			132

# $Expenditures \ of \ Department \ of \ Agriculture for year \ ending \ June \ 30, 1903 — {\bf Cont'd}.$

	Name.	Nature of payment.	Total
1902.			
ept. 30	J. J. Corley Danl. K. Pope O. V. Lovette McKinzie R. Todd Jas. A. Hayden Edw. Wiggin Chas. L. Gold Homer W. Vail E. D. Howe Jno. T. Cox Jno. J. Rosa E. C. Hutchinson Geo. E. Adams Herbert H. Mowry Harry G. Krum Geo. K. Holmes et al	Salary	\$125
-	Danl. K. Pope	dŏ	125 125
	O. V. Lovette	do	125
	McKinzie R. Todd	do	125
	Jas. A. Hayden	do	112 75
	Edw. Wiggin	do	75
	Chas. L. Gold	do	75
	Homer W. Vail	do	75
	E.D. Howe	do	75
	Jno. T. Cox	do	75
	Jno. J. Rosa	do	75
	E. C. Hutchinson	do	75
	Geo. E. Adams	do	75
	Herbert H. Mowry	do	40
	Harry G. Krum	do	40
	Geo. K. Holmes et al	_ Salaries	2,880
	Total first quarter		17,688
.4 1			
ct. 1	Euw. S. Holmes, Jr.	Traveling expenses	36 13
	Edw. S. Holmes, jr. Nannie P. Ballard Thos. B. Baldwin	Salary	100
	Thos. B. Baldwin	ao	182
	Edw. S. Holmes, Jr.	do	18: 18:
	Thos. B. Baldwin Edw. S. Holmes, jr B. C. White E. T. Peters L. M. Erskine Thos. J. Anderson Jno. J. Darg A. M. Hawley S. J. Seal William Nelson Danl. E. Morton C. Ballinger Victor H. Olmsted Geo. W. Perry John L. Cantwell B. C. White Jno. J. Darg Victor H. Olmsted F. E. Dawley	do	187
	E.T. Peters	ao	168
	L. M. Erskine	do	50
	Thos. J. Anderson	do	200
0	Jno.J. Darg	do	130
2	A.M. Hawley	do	112
	S.J. Seal	do	112
	William Nelson	do	100
3	Danl. E. Morton	do	78
	C. Ballinger	do	28
	Victor H. Olmsted.	do	182 112
4	Geo. W. Perry	do	112
	John L. Cantwell	do	20
0	B. C. White	Traveling expenses	100
6	Jno. J. Darg	_  do	153 133 116
7	Victor H. Olmsted	do	116
9	F. E. Dawley	Salary	175
	D. B. Russell	do	112
	Kilbourn H. Roby	do	200
	Edw. Cary Parker	do	40
7.0	W.O.H. Shepard	do	20
10	W. H. Desgranges	do	125
	Richd, H. Lea	do	50
2.5	Thos. B. Baldwin	Traveling expenses	122
15	Edw. G. Ward	do	129 77 129
	Victor H. Olmsted	do	12
	Middleton Smith	ao	78
10	Victor H. Olmsted	. sarary	77
16	Henry Hawkins	ao	20
10	D. W.Stier	Traveling expenses	58 ec
18	C. C. Clark	ao	69
20 24	U. U. Ulark	0	90 127
24	L. C. Sammis		100
27 31	B. C. White Jno, J. Dary Victor H. Olmsted F. E. Dawley D. B. Russell Kilbourn H. Roby Edw. Cary Parker W. O. H. Shepard W. H. Desgranges Richd, H. Lea Thos. B. Baldwin Edw. G. Ward Victor H. Olmsted Middleton Smith Victor H. Olmsted Henry Hawkins D. W. Stier Thos. C. Holloway C. C. Clark E. C. Sammis Jno. C. Charlton Geo. K. Holmes et al B. C. White Jno. J. Dary	Colonia	9 290
v. 1	P. C. White	Salaries	3,328 189
v. 1	B. C. White Jno. J. Darg	Salary	135
	Juo. J. Darg		130
	Harry G. Krum Thos. C. Baldwin Edw. S. Holmes, jr Library Bureau do		189 189
	Thos. C. Baldwill		186
	Edw. S. Holmes, Jr.	ao	188
	Library Bureau	- Indexes	4
0	T. Managina Danas G	- Pampniet cases	4
3	E. Morrison Paper Co	Paper	6
	E. Morrison Paper Co R. Carter Ballantyne R. P. Andrews & Co D. Frank Parker	Pamphlet cases Paper Pens Wrapping paper Ink Ink pads Cylinder Repairs to typewriter Paper Salary do	90
	R. P. Andrews & Co	wrapping paper	20
	D. Frank Parker	Ink	10
	do	Ink pads	1
	Wyckoff, Seamans & Benedict	Cylinder	2
	do	Repairs to typewriter	21 15
	do	Paper	15
	Herbert Hager Mowry	Salary	40
4	T O OL T	do	189
	Jno. C. Charlton		100
6	John L. Cantwell	do	20
	John L. Cantwell L. M. Erskine	do do	20 50
	Herbert Hager Mowry Jno. C. Charlton John L. Cantwell L. M. Erskine C. Ballinger Thos. B. Baldwin Henry Hawkins	do	20

Date.	Name.	Nature of payment.	Total.
1902.			
Nov. 10	Edw. S. Holmes, jr Jno. S. Charlton Jno. J. Darg B. C. White R. Carter Ballantyne E. T. Peters. Edw. C. Parker Jno. Hyde. S. P. Johnson Chicago and Northwestern Rwy. Co The Oregon R. R. and Navigation Co Chicago, Indianapolis and Louisville Rwy. Co.	Traveling expenses	\$86.6
	Jno. S. Charlton	do	109.9
11	R C White	do	144.8
13	R. Carter Ballantyne	Brushes	122. 6 3. 2 182. 0
17	E. T. Peters	Salary	182.0
	Edw. C. Parker	do	40 1
	Jno. Hyde	Traveling expenses	30. 2 7. 7 10. 1
18	Chicago and Northwestern Pwy Co	Passanger transportation	10.1
. 10	The Oregon R. R. and Navigation Co	do	6.8
	Chicago, Indianapolis and Louisville, Rwy.	do	5. (
	Chicago, Indianapolis and Louisville, Rwy. Co. Illinois Central R. R. Co. Minneapolis and St. Louis R. R. Co. do. The Chesapeake and Ohio R. R. Co. Northern Pacific Rwy. Co. Southern Rwy. Co. The Wabash R. R. Co. Louisville and Nashville R. R. Co. The Yazoo and Mississippi Valley R. R. Co. Pittsburg. Cincinnati, Chicago and St. Louis Rwy. Co. Great Northern Rwy. Co. Chicago, Milwaukee and St. Paul Rwy. Co. Pennsyivania Co. Wolf Bros D. Frank Parker Geo. K. Holmes et al Thos. B. Baldwin Edw. S. Holmes, jr B. C. White W. O. H. Shepard Jno. J. Darg The Missouri Pacific Rwy. Co. The Pullman Co. Missouri, Kansas and Texas Rwy. Co. do Pittsburg. Cincinnati, Chicago and St. Louis Kwy. Co. do. Louis Kwy. Co.	,	11 0
	Minnespelia and St. Louis B. R. Co.	do	11.8 6.8
	do	do	8.0
	The Chesapeake and Ohio R. R. Co	do	19. 9
	Northern Pacific Rwy. Co	do	6.9
	Southern Rwy. Co	do	19.9
	The Wabash R. R. Co	do	7. 6 31. 6
	The Vazoo and Mississinni Valley R. R. Co	do	6.8
	Pittsburg, Cincinnati, Chicago and St.	do	6.8 12.7
	Louis Rwy. Co.		
	Great Northern Rwy. Co	do	10.4
20	Chicago, Milwaukee and St. Paul Rwy. Co.	00	10. 1 17. 5 19. 8
20	Wolf Bros	Envelopes	19.5
22	D. Frank Parker	Paper, etc.	29.
29	Geo. K. Holmes et al	Safaries	3, 184.3 175.0
ec. 1	Thos. B. Baldwin	Salary	175.0
	Edw. S. Holmes, Jr	do	189. 175.
	W O H Shepard	do	20.
	Jno. J. Darg	do	125.
8	The Missouri Pacific Rwy. Co	Passenger transportation	3.
	The Pullman Co.	do	13.
	Missouri, Kansas and Texas Rwy. Co	do	2. 8 2. 8
	Pittshurg Cincinnati Chicago and St	do	30.8
	Louis Kwy. Co.		50.0
	do	do	22.
	Louisville and Nashville R. R. Co	do	22. 1 27. 1
	Chicago and Alton Pwy Co	. do	6. 5 2. 9 2. 9
	do	do	2
	do	do	12.
	Seaboard Air Line Rwy. Co	do	9.
	The Texas and Pacific Rwy. Co	do	5.6
	do	do	11.8 6.3
	The Chesapeake and Ohio R. R. Co	do	271.
	Atlantic Coast Line R. R. Co	do	4.
	The Oregon Railroad and Navigation Co	do	84.
	Union Pacific R. R. Co	do	4.
	New York Teyes and Mayican Rwy Co	do	20. <u>4</u> .
	The Central Branch Rwy. Co	do	5.
	Washington Southern Rwy. Co	do	5. 37. (
	Western Maryland R. R. Co.	do	4.0
	The Wabash R. R. Co	do	19.
4	Ino C Charlton	Solony	2.3 175.0
	L. M. Erskine	do	50.
	Jno. L. Cantwell	do	20.
	E. T. Peters	do	168.
	do	Traveling expenses	26.
5	Edw. S. Holmes, ir	do	19. 76.
6	B. C. White	do	162.
8	Henry Hawkins	Salary	20.
	C. Ballinger	do	25. 40.
	Harry G. Krum	do	40.
	Jno J Darg	Traveling expanses	40. 144.
	Wyckoff, Seamans & Benedict	Typewriter, etc	92.
		To position of the same of the	10
	Jno. C. Parker	Eraser, etc	13.
9	Outsign Cincinnati. Chicago and St. Louis Kwy. Co. do	Traveling expenses	158. 158. 57. 20.

 $Expendituers \ of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1903-{\tt Cont'd}.$ 

ate.	Name.	Nature of payment.	Total
.902.			
c. 11	Herbert H. Mowry Jno. S. Charlton Washington City post-office Mrs. A. J. Moore, treasurer E. Morrison Paper Co Richd, H. Lea Great Northern Rwy. Co The Chesapeake and Ohio Rwy. Co Erie R. R. Co Union Pacific R. R. Co International and Great Northern R. R. Co do do Baltimore and Ohio R. R. Co do	Salary	\$40
12	Jno. S. Charlton	Traveling expenses	59 30
13	Washington City post-office	Stamps	30
17	Mrs. A. J. Moore, treasurer	Book	10
	E. Morrison Paper Co	Bristol board, etc	10 60
18	Richd, H. Lea	Salary	100
19	Great Northern Rwy. Co	Passenger transportation	15
	The Chesapeake and Ohio Rwy. Co	do	5
	Erie R. R. Co	do	2
	Union Pacific R. R. Co	do	39
	International and Great Northern R. R. Co.	do	6
	The Pennsylvania R. R. Co	do	35
	do	do	16
	do	do	34
	do	do	38
	Baltimore and Ohio R. R. Co	do	10
	Burlington and Missouri River R. R. Co The Atchison, Topeka and Santa Fe Rwy.	do	18 10 7
	Burlington and Missouri River R. R. Co	do	10
	The Atchison, Topeka and Santa Fe Rwy.	do	7
	Co.		1.4
	The Pullman Co	00	14
	do do	do	21 24
	Cooksand Ain Line D C-	do	
	Seaboard Air Line Rwy. Co Michigan Central R. R. Co Chicago, Burlington and Quincy R. R. Co do Houston and Texas Central R. R. Co Missouri, Kansas and Texas Rwy. Co New York Central and Hudson River R. R.	ao	14
	Chicago Purlington and Orings D. D. C.	do	11 12 12 7
	Chicago, burnington and Quincy K. K. Co	do	16
	Houston and Towas Control P. P. Co	do	12
	Missouri Kansas and Toyas Pwy Co	do	í
	Now Vent Control and Hudgen Biron D. D.	do	1
	Co.	do	0
	Penneylyania R R Co	do	10
	Pennsylvania R. R. Co Southern Rwy. Co do	do	19 84 27 127
	do.	do	27
	do	do	127
	Northern Pacific Rwy Co	do	16
	do	do	16 14
31	do do Northern Pacific Rwy. Co do Chas, M. Daugherty E. C. Hutchinson Homer W. Vail E. D. Howe J. T. Cox Danl. E. Morton Edwd. Wiggins Geo. E. Adams Chas L. Gold	Traveling expenses	96
OI	E C Hutchinson	Salary	75
	Homer W Vail	do	73
	E D Howe	do	78
	J. T. Cox	do	75
	Danl, E. Morton	do	75
	Edwd. Wiggins	do	75
	Geo. E. Adams	do	75
	Chas. L. Gold	do	75
	Jno. J. Rosa	do .:	78
	Wm. Nelson	do	100
	Geo. W. Perry	do	112
	D. B. Russell	do	112 112
	A. M. Hawley	do	112
	S. J. Seal	do	112
	Jas. A. Hayden	do	112 112
	Jno. J. Corley	do	112
	Danl. K. Pope	do	112
	Edwd. Wiggins Geo. E. Adams Chas. L. Gold Jno. J. Rosa Wm. Nelson Geo. W. Perry D. B. Russell A. M. Hawley S. J. Seal Jas. A. Hayden Jno. J. Corley Danl K. Pope McKinsey R. Todd O. B. Lovette E. M. Hemphill Jas. H. Lane E. E. Kaufman E. F. Scherbel Chas. H. Morse W. J. Northern R. H. Thomas Mahlon T. Lightner S. Arthur Knapp Plum A. Rogers W. G. Whitmore F. E. Dawley Thos. J. Anderson W. W. Miller Jno. Cowine W. V. Duncan Oswald Wilson Jno. J. Darg Thos. B. Baldwin	do	123
	O.B. Lovette	do	12: 13:
	E. M. Hemphill	do	137
	Jas. H. Lane	do	13.
	E. E. Kaufman	do	150
	E. F. Scherbel	do	150
	Chas. H. Morse	do	150
	W.J. Northern	do	150
	R. H. Thomas	do	150
	Mahlon T. Lightner	do	150
	S. Arthur Knapp	do	16
	Plum A. Rogers	do	178
	W.G. Wnitmore	ao	173 173
	F. E. Dawley	do	176
	Thos. J. Anderson	ao	200
	W. W. Miller	do	200
	Jno. Cowine	do	200
	W. C. Duncan	do	200
	Oswald Wilson	ao	200
	Jno. J. Darg Thos. B. Baldwin Geo. K. Holmes et al	do	130
	Thos. B. Baldwin	ao	189 3,100
			0.100
	Geo. K. Holmes et al	Salaries	-,

Date.	Name.	Nature of payment.	Total
1903.			
an. 2	B. C. White do Edw. S. Holmes, jr	Traveling expenses	\$81.
	Edw C Holmon in	Salary	189. 189.
5	Edw. S. Holmes, Jr.	do	40.
9	Jno. S. Charlton	do	189.
	Harry G. Krum	do	40.
	Kilburn H. Roby	do	200.
e	R. P. Andrews & Co. (Incorporated)	Pencils	2.
6 8	C Rollinger	Solory	154. 25.
0	Jno. J. Darg	Traveling expenses	137.
9	W. O. H. Shepard	Salary	20.
	Jno. N. Cantwell	do	20.
	Herbert H. Mowry	do	40.
	H W Desgranges	do	50. 125.
10	Stephen D. Fessenden	Traveling expenses	138.
15	Henry Hawkins	Salary	20.
	Jno. S. Charlton	Traveling expenses	51.
21 22	The Maurice Joyce Engraving Co	Engraved plate	90
22	Poerro F Crowl	Stown wibbon	20. 70.
	United States Envelope Co	Envelopes	10
	Wolf Bros	do	55
	Postal Telegraph Cable Co	Service	7.2
23	Herman Baumgarten	Type	2
24	Wasnington City post-omce	Stamps	3
	Rudolph West & Co	Door checks etc	6
26	The Hocking Valley Rwy. Co.	Passenger transportation	6
	The Minneapolis and St. Louis Rwy. Co	do	4
	Georgia R. R. Co	do	ĩ
	Cumberland Valley Rwy. Co	do	17
	Mobile and Objo Rwy Co	do	17 4
	The Chesapeake and Ohio Rwy, Co.	do	21
	Missouri, Kansas and Texas Rwy. Co	do	5.
	do	do	1 14
	B. C. Whitedo Edw. S. Holmes, jr. Edw. C. Parker Jno. S. Charlton Harry G. Krum Kilburn H. Roby R. P. Andrews & Co. (Incorporated) Thos. B. Baldwin C. Bollinger Jno. J. Darg W. O. H. Shepard Jno. N. Cantwell Herbert H. Mowry L. M. Erskine H. W. Desgranges Stephen D. Fessenden Henry Hawkins Jno. S. Charlton The Maurice Joyce Engraving Co R. P. Andrews & Co. (Incorporated) Pearre E. Crowl United States Envelope Co Wolf Bros. Postal Telegraph Cable Co. Herman Baumgarten Washington City post-office D. Frank Parker Rudolph, West & Co The Hocking Valley Rwy. Co. The Minneapolis and St. Louis Rwy. Co Georgia R. R. Co. Cumberland Valley Rwy. Co. Pennsylvania Co Mobile and Ohio Rwy. Co The Chesapeake and Ohio Rwy. Co. Missouri, Kansas and Texas Rwy. Co. Chicago and Northwestern Rwy. Co. Chicago and Northwestern Rwy. Co. Chicago and Northwestern Rwy. Co.	do	14 16
	Co.		21 8
	St. Louis and San Francisco R. R. Co. New York Central and Hudson River R. R. Co.	do	6
	Central of Georgia Rwy. Co	do	3
	The Yazoo and Mississippi Valley R. R. Co.	do	27 27
	The Atabison Topole and Canta Fa Parry Co.	00	12
27	Michigan Central R. R. Co	do	3
	Southern Rwy. Co	do	50
	Atlantic Coast Line R. R. Co	do	4
	Co. Central of Georgia Rwy. Co The Yazoo and Mississippi Valley R. R. Co. The Missouri Pacific Rwy. Co The Atchison, Topeka and Santa FeRwy. Co Michigan Central R. R. Co. Southern Rwy. Co. Atlantic Coast Line R. R. Co Baltimore and Ohio R. R. Co The Cleveland, Cincinnati, Chicago and St. Louis R. R. Co. do. E. T. Peters do. Geo. K. Holmes et al Jno. J. Darg Edwin S. Holmes, jr Jno. S. Carlton B. C. White Thos. B. Baldwin B. C. White L. M. Erskine W. O. H. Shepard Jno. L. Cantrell Jno. J. Darg The Hammond Typewriter Co Jno. S. Charlton Edw. S. Holmes, jr Thos. B. Baldwin Henry Hawkins C Ballimor	do	7 5
- 00	do	do	8
28	E. T. Peters	Salary	168
31	Geo K Holmes et al	Colonica	$\frac{175}{3,335}$
b. $\hat{\hat{z}}$	Jno. J. Darg	Salary	182
	Edwin S. Holmes, jr	do	182 216
	Jno. S. Carlton	do	189
	B. C. White	do	189
5	B C White	Traveling expenses	189 102
3	L. M. Erskine	Salary	102 50
	W.O.H. Shepard	do	20
	Jno. L. Cantrell	do	20
6	Jno. J. Darg	Traveling expenses	144
7	The Hammond Typewriter Co	Repairs	7
	Edw S Holmes in	do do	82 47 166
	Thos. B. Baldwin	do	166
	Henry Hawkins	Salary	20
	C. Ballinger Jno. C. Parker R. Carter Ballentyne Washington City post-office	Salarydo Fountain pens, etc	25
9 11	Jno. C. Parker	Fountain pens, etc	49
		Papar	100

# $Expenditures of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1903-{\tt Cont'd}.$

Date.	Name.	Nature of payment.	Tota
1903.			
b. 12	Thos. C. Holloway	Traveling expenses	\$9 1
16	Thos. C. Holloway Herbert H. Mowry	Salary	1
	Edw. C. Parker	do	
	Richd, H. Lea The Barrick Publishing Co	Book	10
25	Frank B. Headley Harry G. Krum Jno. J. Darg Geo. K. Holmes et al Frank B. Headley	Salary	2
140	Harry G. Krum	do	1
28	Jno. J. Darg	do	$\frac{16}{3,09}$
0	Geo. K. Holmes et al.	Salaries	3,09
r. 2			16
	Thos, B. Baldwin Edwin S. Holmes, jr	do	19
	B. C. White	do	16
3	The Chesapeake and Potomac Telephone	Service	
,	Co.	G-1	
4	Wm. A. Peck Jno. S. Charlton E. T. Peters C. Ballinger E. T. Peters	Salarydo	16
	E. T. Peters	do	16 18
	C. Ballinger	do Traveling expenses	2
	E.T. Peters	Traveling expenses	3
0	do Jno J. Darg W. O. H. Shepard Jno L. Cantwell J. M. Explain	do	1
6	Jno, J. Darg W. O. H. Shopend	do	13
	Jno L Cantwell	Salarydo	2
	L. M. Erskine	do	5
9	L. M. Erskine B. C. White Edw. S. Holmes, jr Henry Hawkins Thos. B. Baldwin E. Morrison Paper Co. Jno. S. Charlton	Traveling expenses	8
	Edw. S. Holmes, jr	do Salary Traveling expenses	8
	Henry Hawkins	Salary	14
11	E Morrison Paper Co	Paner	9
11 14	Jno. S. Charlton	Traveling expenses	11
23	O'Connor & Co Washington City post-office The Chesapeake and Potomac Telephone	Paper	11
25	Washington City post-office	Stamps	2
26	The Chesapeake and Potomac Telephone	Service	
27	Co. Eberhard Faber	Bonds	5
27 31	TIT CI There are a		20
	Jno. Corvine	do	20
	W. C. Duncan Jno. Corvine Oswald Wilson K. H. Roby. Thos. J. Anderson W. W. Miller Jno. J. Darg	do	20
	K. H. Roby	do	20 20
	W W Millor	do	20
	Jno. J. Darg	do	18
	Plum A. Rogers	do	17
	W.G. Whitmore	do	17 17
	Plum A. Rogers W. G. Whitmore F. E. Dawley E. T. Peters	Coloms	17
	E. T. Peters Arthur S. Knapp	Services	16
	R. H. Thomas	do	15
	R. H. Thomas Chas. H. Morse	do	15
1	Mahlon Lightner	do	15
31	Mahlon Lightner W. J. Northern E. F. Scherbel E. E. Kaufman E. M. Hemphill J. H. Lane H. W. Desgranges J. J. Corley O. B. Lovette McK. R. Todd Geo. W. Perry A. M. Hawley Jas. A. Hayden	do	15 15
91	E. F. Scherbei	do	15
	E. M. Hemphill	do	18
	J. H. Lane	do	13 13
	H. W. Desgranges	do	12
	J. J. Corley	do	12
	Wek B Todd	do	12 12
	Geo W Perry	do	11
	A. M. Hawley	do	11 11
	Jas. A. Hayden S. J. Seal	do	11
	S. J. Seal	do	11
	D. B. Russell	do	$\frac{11}{10}$
	Geo E Adams	do	7
	Wm. Nelson Geo. E. Adams Jno. F. Cox	do	7
	Jno. J. Rosa Chas, L. Gold E. D. Howe	do	7
	Chas. L. Gold	do	7
	E. D. Howe	do	7
	Edw.Wiggin E. C. Hutchinson	do	77
	Homer W Vial	do	ż
	Homer W. Vial Geo. K. Holmes et al	Salaries	3,46
	Total third quarter		21,69
r. 1	Edw. S. Holmes, jr. Thos. B. Baldwin	Colony	20
			60

	Name.	Nature of payment.
	John S. Charlton B. C. White L. T. Moulton Washington City post-office Wm. A. Peck C. Bollinger Jno. L. Cantwell Frank B. Headley Jno. W. Schneider W. O. H. Shepard Henry Hawkins Jno. J. Darg B. C. White The Pullman Co do	Salary
	B. C. White	do
	Washington City post office	Stampe
	Wm A Peck	Salary
	C. Bollinger	do
1	Ino L Cantwell	do
d.	Frank B. Headley	do
4	Jno. W. Schneider	do
1	W. O. H. Shepard	do
n	Henry Hawkins	do
1	Jno. J. Darg	Traveling expenses.
	B. C. White	do
П	The Pullman Co	Passenger transportation
L	do	do
Ш	do	do
	do	do
1	do	do
	do	do
Ĺ	do	do
1	do	do
I		Salary
	Jno. S. Charlton	Traveling expenses
	Richd. H. Lea D. R. Pape	Salary
	D. R. Pape	do
1	Danl. E. Morton	do
	E. T. Peters	Traveling expenses
	D. R. Pape Danl. E. Morton E. T. Peters United States Envelope Co Thos. B. Baldwin Union Pacific R. R. Co Seaboard Air Line Rwy. Co do Lake Shore and Michigan Southern Rwy. Co Great Northern Rwy. Co The Wabash R. R. Co do Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.	Envelopes
	Thos. B. Baldwin	Traveling expenses
	Union Pacific R. R. Co	Passenger transportation
	Seaboard Air Line Rwy. Co	do
	do	do
	Lake Shore and Michigan Southern Rwy. Co	do
	Great Northern Rwy. Co	do
	The Wabash R. R. Co.	do
	do	do
	Pittsburg, Cincinnati, Chicago and St.	do
	Louis Rwy. Co.	
	Baltimore and Ohio R. R. Codo	do
_	do	do
	Pennsylvania R. R. Co	do
	do	do
	do Pennsylvania R. R. Co do O Rossouri Pacific R. W. Co Missouri Pacific R. W. Co The Chesapeake and Ohio R. R. Co Georgia R. R. Co Louisville and Nashville R. R. Co	do
	Missouri Pacific Rwy. Co	do
	The Chesapeake and Ohio R. R. Co	do
	Georgia R. R. Co	do
	Louisville and Nashville R. R. Co.	do
_	do	do
	The Oregon Railroad and Navigation Co	do
	Louisville and Nashville R. R. Cododo The Oregon Railroad and Navigation Co The Colorado and Southern Rwy. Co Lehigh Valley R. R. Co Chicago, Milwaukee and St. Paul Rwy. Co. Chicago, Milwaukee and Pacific Rwy. Co. Chicago, Milwaukee and St. Paul Rwy. Co Chicago, Milwaukee and St. Paul Rwy. Co do do	do
	Lehigh Valley R. R. Co	do
	Chicago, Milwaukee and St. Paul Rwy. Co	do
	Chicago, Rock Island and Pacific Rwy. Co	do
	Chicago, Milwaukee and St. Paul Rwy. Co.	do
	Illinois Central R. R. Co	do
	Chicago, Milwaukee and St. Paul Rwy. Co.	do
	Southern Rwy. Co	do
	do	do
	do	do
	Chicago, St. Paul, Minneapolis and Omaha	do
	Rwy. Co.	
	Houston, East and West Texas Rwy. Co	do
	St. Louis Southwestern Rwy. Co., of Texas.	do
	The Hocking Valley Rwy. Co	do
	Macon and Birmingham Rwy. Co	do
	Southern Rwy. Co	do
	Chicago, Burlington and Quincy R. R. Co.	do
	do	do
	do	do
	Southern Rwy. Co	do
	Northern Pacific Rwy. Co	do
	do	do
	Cancago, St., Faul, Minheapons and Omana Rwy, Co. Houston, East and West Texas Rwy, Co. St. Louis Southwestern Rwy, Co., of Texas. The Hocking Valley Rwy, Co. Macon and Birmingham Rwy, Co. Southern Rwy, Co. Chicago, Burlington and Quincy R. R. Co. do. do. Southern Rwy, Co. Northern Pacific Rwy, Co. Morthern Pacific Rwy, Co. Michigan Central R. R. Co. Michigan Central R. R. Co. Washington Southern Rwy, Co. Geo, K. Holmes et al. Edw. S. Holmes, jr. Thos, B. Baldwin B. C. White Juo, J. Darg.	do
	Michigan Central R. R. Co	do
	Washington Southern Rwv. Co	do
	Geo. K. Holmes et al.	Salaries
	Edw. S. Holmes, jr.	Salary
	Thos P Poldwin	do
	I nos. D. Daidwin	

 $Expenditures of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30, 1903-{\tt Cont'd}.$ 

Date.	, Name.	Nature of payment.	Total
1903,	Jno. S. Charlton C. Bollinger Jno. W. Schneider Adams Express Co Frank B. Headley L. M. Erskine Jno. L. Cantwell W. O. H. Shepherd Henry Hawkins B. C. White Washington City post-office Edwin S. Holmes, jr Jas. N. Rupp Jno. J. Darg Thos. B. Baldwin Yawman & Erbe Manufacturing Co Library Bureau		
fay 1	Jno. S. Charlton	Salary	\$182. 25. 40.
4	C. Bollinger	do	25.
	Jno. W. Schneider	do	40.
8	Adams Express Co	Transportation	1.
9	Frank B. Headley	Salary	40. 50.
	L. M. Erskine	do	50.
	Jno. L. Cantwell	do	20.
	W.O.H. Shepherd	do	20.
	Henry Hawkins	do	20.
11	B. C. White	Traveling expenses	155.
11	Washington City post-office	Stamps	10.
13	Edwin S. Holmes, Jr.	Traveling expenses	76. 45.
15	Jas. N. Rupp	Envelopes	40.
	Jho, J. Darg	Traveling expenses	100.
16	Varymon & Fuha Manufacturing Co	Condo	136. 168. 26.
18	Tibrory Proces	Coco	25.
20			13.
40	Ino C Dankon	Posto etc	10,
23	Ino S Charlton	Trovoling expenses	5 133
29	The Smith Premier Typewriter Co	Popoine expenses	6.
40	United States Express Co	Transportation	5
31	J H Blodgett et al	Salaries	3, 350 318 182 182 182
ane 1	Jno. C. Parker Jno. S. Charlton The Smith Premier Typewriter Co United States Express Co J. H. Blodgett et al E. T. Peters	Typewriter Fibions Paste, etc Traveling expenses Repairs Transportation Salaries Salary	318
2	Ino I Darg	do	189
13	Jno. J. Darg Jno. S. Charlton Thos. B. Baldwin	do	189
	Thos. B. Baldwin	do	189
	E. S. Holmes, jr B. C. White E. T. Peters	do	
	B. C. White	do	182
4	E. T. Peters	Expenses	182 73 4
6	E. T. Peters John C. Parker The Chesapeake and Potomac Telephone Codo Western Union Telegraph CoEdw. S. Holmes, jr. B. C. White Postal Telegraph Cable CoLamb & Tilden. Wm. Argalus Peck. C. Bollinger	Expenses Ruling pens	4
9	The Chesapeake and Potomac Telephone Co.	Service	_
_	-do	do	6
	Western Union Telegraph Co	do	5
	Edw. S. Holmes, ir	Traveling expenses	191
	B. C. White	do	149 2
10	Postal Telegraph Cable Co	Service	2
	Lamb & Tilden	Stamp rack	6
	Wm. Argalus Peck	Salarydo	80
	C. Bollinger L. M. Erskine	do	25
	L. M. Erskine	do	50
	E. S. Peters	do	70
11	Jno. S. Charlton	do do Traveling expenses Salary do Traveling expenses Silkolene Envelopes Salary do Traveling expenses	142 20
	Henry Hawkins	Salary	20
	Jno. S. Charton Henry Hawkins Jno. L. Cantwell Thos Baldwin Woodward & Lothrop R. Carter Ballantyne W. O. H. Shepard Frank B. Headley	do	20
1.0	Thos. Baldwin	Traveling expenses	188
12	Woodward & Lothrop	Silkolene	49
	R. Carter Ballantyne	Envelopes	49
	W.O.H. Snepard	Salary	20
	Frank B. Headley Jno. J. Darg Yawman & Erbe Manufacturing Co.	00	40 165 22
14	Jno. J. Darg	Traveling expenses	109
19	Yawman & Erbe Manufacturing Co	Calana	40
19	Washington City post office	Special delivery stemps	90
23	Western Union Tolograph Co	Sorvice	30 99
20	Jao. W. Schneider: Washington City post-office Western Union Telegraph Co do E. C. Sammis The Texas Pacific Rwy. Co	Salary Special delivery stamps Service	8
24	E C Sammis	Traveling expenses Passenger transportation do	209
AT	The Texas Pacific Rwy Co	Passenger transportation	29
	do	do	21
	do	do	9
	do	do	9
	The Pullman Co	do	9 18
	do	do	16
	Pennsylvania R. R. Co.	do	22
	Union Pacific R. R. Co.	do	22 19
	Northern Pacific Rwv. Co	do	5
	Southern Railway	do	2
	do	do	27
	Southern Railway.  do  do  Pittsburg, Cincinnati, Chicago and St.  Louis Rwy.Co.  do  do	do	27 27 11
	Pittsburg, Cincinnati, Chicago and St.	do	16
	Louis Rwy. Co.		
	do	do	7
	do	do	5
	Baltimore and Ohio R. R. Co	do	6
	do	do	6 28
	The Wabash R. R. Co	do	28
	do	do	28
	Louis Rwy. Cododo Baltimore and Ohio R. R. Cododo The Wabash R. R. Codo Louisville and Nashville R. R. Codo Chicago and Alton Rwy. Co	do	28 27 3 7

# $Expenditures of \, Department \, of \, Agriculture for \, year \, ending \, June \, 30, 1903 - {\rm Cont'd.}$

	COLLECTING AGRICULTURAL	STATISTICS—Continued.	
Date.	Name.	Nature of payment.	Total.
903.	China and Alkar Dave Ca	December	010.50
ne 24	Chicago and Alton Rwy. Co. The Chesapeake and Ohio Rwy. Co. do. The Hocking Valley Rwy. Co. do. Illinois Central R. R. Co. The Cincinnati, Hamilton and Dayton Rwy. Co.	Passenger transportation	\$12.50 22.20
	The Chesapeake and Onlo Kwy. Co	do	4. 20
	The Hocking Valley Rwy Co	do	8.35
	do	do	8.35 3.70
	Illinois Central R. R. Co	do	14.23
	do	do	3, 04
	The Cincinnati, Hamilton and Dayton	do	10.60
	Morgan's Louisiana and Texas R. R. and		18.85
	Steamship Co.	do	24.50
	Chicago Rock Island and Pacific Rwy Co	do	23.32
	Pennsylvania Co Chicago, Rock Island and Pacific Rwy. Co- Cincinnati, New Orleans and Texas Pacific	do	2.10
	RWV. Co.		
	St. Louis Southwestern Rwy. Co. Chicago, St. Paul, Minneapolis and Omaha	do	10.63 7.05
	Rwy. Co.	3	10.00
	Chicago, Milwaukee and St. Paul Rwy. Co.		12.02
	Norfolk and Western Rwy. Co Union Pacific R. R. Co	do	3. 70 7. 05
	Notrolk and western Rwy, Co Union Pacific R. R. Co. St. Louis and San Francisco R. R. Co The Yazoo and Mississippi Valley R. R. Co. The Chicago, Burlington and Quincy R. R.	do	40.15
	The Veges and Mississippi Valley P. C.	do	40.15
	The Yazoo and Mississippi variey R. R. Co.	do	6.80
	Co.	uo	12.50
	Co. The Atchison, Topeka and Santa Fe Rwy. Co.		69.35
	Galveston, Harrisburg and San Antonio	do	15.00
	Rwy. Co. Louisyille, Henderson and St. Louis Rwy Co	dodo	3.75
	Grand Rapids and Indianapolis Rwy. Co Burlington and Missouri River R. R. Co	do	4. 45
	Burlington and Missouri River R. R. Co	do	5.80
25	E.T. Peters	Expenses	19, 48
	do	Salary	178.50
26	American Grocer	Subscription	3.00
	The Trade Co	do	2.00 1.00
	E.T. Peters  do  American Grocer The Trade Co. Orange Judd Co. The Railroad Age and North Western Railroader	do	1.00
	The Railroad Age and North Western	do	4.00
	Railroader. Oil, Paint, and Drug Reporter Curtis Guild & Co. Ginn & Co. E. E. Billow Geo. H. Ellis Co. The Railroad Gazette D. O. Haynes & Co. The Tuttle, Morehouse & Taylor Co. National Railway Publishing Co. Willett & Gray. Railway Worid. Louisiana Planter and Sugar Manufacturing Co.	do	6.00
	Curtis Guild & Co	do	4.00
	Ginn & Co	do	3,00
	E. E. Billow	-do	5.00
	Geo, H, Ellis Co	do	3.00
	The Railroad Gazette	do	4.20
	D.O. Haynes & Co	do	6.88
	The Tuttle, Morehouse & Taylor Co	do	3.00
	National Railway Publishing Co	do:	8.00
	Willett & Gray	do	15.00
	Railway World	do	4.00
	Louisiana Planter and Sugar Manufactur-	do	3.00
	ing Co.	1.	20.00
	Lemcke & Buechner The MacMillan Codo	00	28.80
	do	do	5.00
	T R Viblew	do	5. 00 3. 00
	T. B. Viblew The Journal of Commerce and Commercial Bulletin. Geo. W. Perry A. M. Hawley Jas. A. Hayden S. J. Seal Thos. J. Anderson Oswald Wilson W. W. Miller Jno. Connie W. C. Duncan	do	12.00
	cial Bulletin	uv	12.00
30	Geo. W. Perry	Salary	112.50
- 50	A. M. Hawley	do	112.50 112.50 112.50
	Jas. A. Hayden	do	112.50
	S. J. Seal	do	112.50
	Thos. J. Anderson	do	200, 00
	Oswald Wilson	do	200.00
	W. W. Miller	do	200.00
	Jno, Connie	do	200,00
	W. C. Duncan	do	200.00
	Kilbourn H. Roby	do	200, 00
	L. T. Moulton	do	175.00
	F.E.Dawley	do	175.00
	M.C. Conne W.C. Duncan Kilbourn H. Roby L. T. Moulton F. E. Dawley Plum A. Rogers N. G. Whitmore Arthur S. Knapp E. E. Kaufman	do	175.00
	N.G. Whitmore	do	175.00
	Arthur S. Knapp	do	165.00
	E. E. Kaufman	do	150.00
	E. E. Kaufman W. J. Northern R. H. Thomas	do	150.00
	K. H. Thomas	do	150.00
	Chas. S. Morse	do	150.00
	Chas, S. Morse E. T. Scherbel M. T. Lightner Jas, H. Lane	do	150.00
	M. T. Lightner	do	150.00
	Jas. H. Lane	00	137.50

# $Expenditures of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30,1903--Cont'd.$

Date.	Name.	Nature of payment.	Total.
1903.			
June 30	E. M. Hemphill	Salary	\$137.50 125.00
	J. J. Corley	do	125.00
	U. B. Lorette		125.00
	E. M. Hemphill J. J. Corley O. B. Lorette McK. R. Todd Wm. Nelson Homer W. Vail Edw. Wiggins	do	125.00 125.00 100.00 75.00
	Homer W. Vail	do	75.00
	Edw. Wiggins	do	75.00
	Homer W. Vail Edw. Wiggins J. T. Cox E. C. Hutchinson Jno. J. Rosa Danl. E. Morton Geo, E. Adams E. D. Howe Chas. L. Gold C. E. Edgerton et al	do	75, 00 75, 00
	Jno. J. Rosa	do	75.00
	Danl. E. Morton	do	75.00
	Geo. E. Adams	do	75.00
	Chas L Gold	do	75.00 75.00
	C. E. Edgerton et al	Salaries	3, 471. 02
	Total fourth quarter		24, 534, 45
	Supplemental.		24,004.40
Turby 1	**	Colomy	100.00
July 1	J. J. Darg E. S. Holmes, jr Wyckoff, Seamans & Benedict. E. G. Nye. E. S. Peters S. D. Fessenden L. M. Erskine J. L. Cantwell C. Bollinger H. W. Desgranges A. L. Russell Henry Hawkins F. B. Headley E. S. PetersdodoT. B. Baldwin B. C. White F. C. Holloway L. F. Sloan D. F. Parker J. C. Parker	Salarydo	182.00 208.00
	Wyckoff, Seamans & Benedict	Copy holders	4.00
2	E.G. Nye	Salary	9.15
	E.S. Peters	Traveling expenses	41. 15 76. 23
7	L. M. Erskine	Salary	50.00
-	J. L. Cantwell	do	20.00
0	C. Bollinger	do	25.00
9	H. W. Desgranges	do	125.00 72.95
	Henry Hawkins	do	20.00
	F. B. Headley	do	40.00
10	E. S. Peters	do	175.00 123.55
	T R Roldwin	Traveling expenses	123, 55 180, 56
	B. C. White	do	120.54
11	F. C. Holloway	do	111.52
	L. F. Sloan	Salary	300.00
	J. C. Parker	Penholder etc	1.00 23.54 10.80
13	E. Morrison Paper Co	Letter scales	10.80
	Brainard N. Rowley	Subscription	2.00
14	The R. R. Equipment and Publishing Co	Traveling expenses	5.00 136.95 144.87
14	J. J. Darg	do	144, 87
15	Wool and Cotton Reporter	Subscription	3,00
	W. A. May	do	4. 26
	Snepnerds' Bulletin	do	1.00 8.52
	The University of Chicago Press	do	2.00
4.0	J. E. Beerbohm	do	2.00 29.20 9.50
16	L. F. Sloan D. F. Parker J. C. Parker E. Morrison Paper Co Brainard N. Rowley The R. R. Equipment and Publishing Co. J. S. Charlton J. J. Darg Wool and Cotton Reporter W. A. May Shepherds' Bulletin Comtelburo (Limited) The University of Chicago Press J. E. Beerbohm The Chicago, Burlington and Quincy R. R. Co.	Passenger transportation	9.50
	Co.  do Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	do	8, 35
	Louis Rwy Co.	do	17.40
	dodo	do	23, 65
	Southern Rwy. Co	do	23.65 21.95 50.50
	Channa la and Ohia Dawa Ca	do	50.50
	Cnesapeake and Onio Rwy. Co	do	4.20 4.20
	Louis Rwy. Codo Southern Rwy. Codo Chesapeake and Ohio Rwy. Codo The Lake Shore and Michigan Southern	do	6.50
	Rwy. Co. Missouri Pacific Pwy. Co.	do	16.00
	The Texas and Pacific Rwy. Co.	do	9. 60 10. 50
	Atlantic Coast Line R. R. Co	do	10.50
	Cincinnati, Hamilton and Dayton R. R. Co.	do	4.60 6.44
	Rwy. Co. Missouri Pacific Rwy. Co. The Texas and Pacific Rwy. Co. Atlantic Coast Line R. R. Co. Cincinnati, Hamilton and Dayton R. R. Co. Baltimore and Ohio R. R. Co. Pittsburgh, Cincinnati, Chicago and St. Louis Rwy. Co. Gulf, Colorado and Santa Fe Rwy. Co. Michigan Central R. R. Co. Louisville and Nashville R. R. Co. The Hocking Valley Rwy. Co. Pere Marquette R. R. Co. Chicago, Rock Island and Pacific Rwy. Co. Galveston, Harrisburg and San Antonio Rwy. Co.	do	16.30
	Louis Rwy. Co.	do	4 95
	Michigan Central R. R. Co	do	4.25 6.75 3.50
	Louisville and Nashville R. R. Co.	do	3.50
	The Hocking Valley Rwy. Co.	do	7, 40
	Chicago Rock Island and Pacific Pro-C	do	3. 20 26. 19
	Galveston, Harrisburg and San Antonio	do	3.80
	Rwy. Co. Great Northern Rwy. Co	_	00.00
	Great Northern Rwy. Co	do	32.35

Date.	Name.	Nature of payment.	Total.
1000	Supplemental—Continued.		
1903.	Erie R R Co	Passenger transportation	ŝ8.
uly 10	Erie R. R. Co	do	8.
	Louisville, Henderson and St. Louis Rwy.	do	3.
	Co. Southern Printers' Supply Co. Wyckoff, Seamans & Benedict Wolf Bros. J. N. Rupp. Rudolph, West & Co. R. P. Andrews & Co. (Incorporated). W. O. H. Shepard The Chesapeake and Potomac Telephone Co. E. T. Peters. do. Lamb & Tilden James B. Lambie	Electro signatures	3.
	Wyckoff, Seamans & Benedict	Paper	18.
18	Wolf Bros.	Envelopes	920.
20	J. N. Rupp	Mucilage	1.
21	R P Andrews & Co (Incorporated)	Pencils	3. 2.
23	W. O. H. Shepard	Salary	20.
29 30	The Chesapeake and Potomac Telephone Co	Telephone service	6.
30	E. T. Peters	Salary	133. 53.
ug.15	E. T. Peters  do  Lamb & Tilden  James B. Lambie R. Carter Ballantyne W.A. Peck J. P. Nawrath J. W. Schneider Postal Telegraph Cable Co Western Union Telegraph Co  do St. Louis and San Francisco R. R. Co The Texas and Pacific Rwy. Co The Minneapolis and St. Louis R. R. Co The Hocking Valley Rwy. Co Louisville and Nashville R. R. Co do Missouri, Kansas and Texas Rwy. Co do The Chicago, Burlington and Quincy R. R. Co Co	Ink	1.
ug. I	James B. Lambie	Scissors	2. 1.
18	R. Carter Ballantyne	Mucilage stands	1.
ept. 9 10	V. A. Peck.	Salary Tana	40. 1.
16	J. W. Schneider	Salary	40.
18	Postal Telegraph Cable Co	Telegraph service	2.
	Western Union Telegraph Co	do	189.
	St Louis and San Francisco P. P. Co.	Passanger transportation	14. 13.
	The Texas and Pacific Rwy. Co.	dodo	4.
	The Minneapolis and St. Louis R. R. Co	do	4.
	The Hocking Valley Rwy. Co.	do	3.
	Louisville and Nashville R. R. Co	do	9. 29.
	Missouri, Kansas and Texas Rwy, Co.	do	3.
	do	do	11.
	The Chicago, Burlington and Quincy R. R.	do	9.
	Co. do	do	11.
	Maine Central R. R. Co	do	3.
	Maine Central R. R. Co. Boston and Maine R. R. The Atchison, Topeka and Santa Fe Rwy.	do	3, 5,
19	The Atchison. Topeka and Santa Fe Rwy.	do	72.
	Co. Northern Pacific Rwy Co.	do	51.
	Chicago and Northwestern Rwy. Co	do	
	Atlantic and West Point R. R	do	24, 12.
	Baltimore and Ohio R. R. Co.	do	10.
	The Wabach R R Co	do	5. 16.
	Illinois Central R. R. Co	do	20.
	Co. Northern Pacific Rwy. Co Chicago and Northwestern Rwy. Co. Atlantic and West Point R. R Baltimore and Ohio R. R. Co. St. Louis Southwestern Rwy. Co. of Texas The Wabash R. R. Co. Illinois Central R. R. Co. do. Burlington and Missouri River R. R. in Nebraska.	do	9.
	Burlington and Missouri River R. R. in	do	22.
	Nebraska. Pittsburg. Cincinnati, Chicago and St.		16.
	Louis Rwy. Co.		10,
	Louis Rwy. Co. Pittsburg, Cincinnati, Chicago and St.	do	16.
			1/2
	do The Yazoo and Mississippi Valley R. R. Co. do The Pullman Co.	do	16. 13.
	do	do	6.
	The Pullman Co.	do	21.
	do : The Chesapeake and Ohio Rwy. Co The Lake Shore and Michigan Southern	do	17. 65.
	The Lake Shore and Michigan Southern	do	18.
	AWY.CO.		
	Southern Rwy. Co. New York Central and Hudson River R.	do	17.
	New York Central and Hudson River R. R. Co.	do	12.
	New York, New Haven and Hartford R	do	10.
	New York, New Haven and Hartford R. R. Co. Erie R. R. Co.		
	Erie R. R. Co	do	8.
	The Missouri Pacific Rwy. Co	do	7.
	Chicago and Alton Rwy Co	do	6. 4
ct. 10	Geo. F. Muth & Co	Oil	4. 4.
	Postal Telegraph Cable Co	Telegraph service	
99	U. S. Express Co	Transportation	1.
22 31	Choctaw Oklahoma and Gulf R. P. Co.	Passanger transportation	3.
'71	Erie R. R. Co The Missouri Pacific Rwy. Co. Michigan Central R. R. Co Chicago and Alton Rwy. Co. Geo. F. Muth & Co. Postal Telegraph Cable Co U. S. Express Co. The Hawaiian Gazette Co. Choctaw, Oklahoma and Gulf R. R. Co. Chicago, and Northwestern Rwy. Co. Chicago, Milwaukee and St. Paul Rwy. Co. The Pullman Co.	dodo	16.
		3	
	Chicago, Milwaukee and St. Paul Rwy. Co.	do	11. 3.

### COLLECTING AGRICULTURAL STATISTICS—Continued.

Date.	. Name.	Nature of payment.	Total.
1903. Oct. 31	Supplemental—Continued. Chicago, St. Paul, Memphis and Omaha Rwy. Co. Pennsylvania R. R. Co	Passenger transportationdo	\$16.05 18.75 6.90 9.60 3.70 13.93 3.55

#### RECAPITULATION.

First quarter	\$17,688,96
Second quarter	24, 471, 09
Third quarter	21,698.83
Fourth quarter	24,534.45
Supplemental.	4,737.34

Total 93,130.67

#### COLLECTING AGRICULTURAL STATISTICS—SETTLED BY TREASURY.

Date.	Name.	Nature of payment.	Total.
1902. Dec. 9	Pennsylvania R. R. Co Southern Pacific Co.	Passenger transportationdo	\$78.50 48.00
1903. Mar. 4	do Pennsylvania R. R. Co. Southern Pacific Co.	do	35.00 177.93
June 23	do	dodo	17.50 35.00 47.50
Sept. 21	Total	do	62.10 501.53

### AGRICULTURAL EXPERIMENT STATIONS.

1902.			
July 19	Fred. A. Schmidt	Pencils, etc	\$2,33
25	Peter Fireman.	Manuscript	58.75
31	A. C. True et al	Salaries	2,602.63
Aug. 8	Mackall Bros		2, 75
19	D. J. Crosby		111.05
19	Peter Fireman	Translating	41.25
26	American Cycle Manufacturing Co	Lubricant, etc	. 45
20		Wax seal	4.00
			3.00
28	Capital Traction Co	Tickets	112.70
28 30	W.H. Beal A. C. True et al	Traveling expenses	
		Salaries	2,612.80
Sept. 8	C. B. Smith	Traveling expenses	21.15
11	Houghton & Delano		3.42
11	Southern Printers' Supply Co	Electro	
12	E. V. Wilcox	Traveling expenses	35.30
17	A. C. True	do	42.50
18	Pennsylvania R. R. Co	Passenger transportation	19.80
24	W. B. Moses & Sons		7.34
	D. Frank Parker		2.00
	J. T. Thornson		1.80
	Jno. C. Parker		. 65
25	do	Sponge cups	1.00
	American Cycle Manufacturing Co Pennsylvania R. R. Co	Padlock	. 35
26	Pennsylvania ⊀. R. Co	Passenger transportation	4.00
	Union Pacific R. R. Co	do	42.95
	Pittsburg, Cincinnati, Chicago and St.	do	5.75
	Louis Rwy, Co.		
	Chicago, Milwaukee and St. Paul Rwy. Co- Pennsylvania Co	do	3.92
	Pennsylvania Co	do	20.70

### AGRICULTURAL EXPERIMENT STATIONS—Continued.

Da	ate.	Name.	Nature of payment.	Total.
	02.	New York Central and Hudson River R. R.	Passenger transportation.	\$9.08
sep	t. 26	Co.	dodo	
		The Lake Shore and Michigan Southern Rwy. Co.		1.30
		Rwy, Co. Illinois Central R. R. Co. Jamestown, Chautauqua and Lake Erie	dodo	3.83 24.60
		Southern Rwy. Co	do	23.40
	27 30	E. W. Allen A. C. True et al	do Traveling expenses Salaries	135.71 $2,447.85$
	90		Salaties	
		Total first quarter		8,413.19
Oct	$\begin{array}{cc} 1 \\ 2 \\ 7 \end{array}$	Peter Fireman Jno C. Parker A. C. True Walter H. Evans C. B. Smith A. C. True D. J. Crosby A. C. True et al American Writing Machine Co D. J. Crosby A. C. True do Chicago Northwestern Rwy. Co The Pennsylvania R. R. Co Northern Pacific Rwy. Co New York, New Haven and Hartford R. R. Co	Numbering machine	42.25 9.00
	7 15	A.C. True	Traveling expenses	39. 45 37. 15
		C. B. Smith	do	14.50
	16 24 31	D. J. Crosby	do	29.30 42.83 2,582.40
Mor	31	A. C. True et al	Salaries	2,582.40 9.00
7/10/	v. 0	D.J. Crosby	Traveling expenses	3.70
	17	A. C. True	do	26. 35 7. 69
	18	Chicago Northwestern Rwy. Co.	Passenger transportation	30, 68
		Northern Pacific Rwy. Co	do	16, 50 62, 48
		New York, New Haven and Hartford R. R. Co.	do	8.25
		Southern Rwy. Co	do	23.00
		Southern Rwy. Co. Atlanta and West Point R. R. Co. Chicago, St. Paul, Minneapolis and Omaha	do	3, 48 6, 40
		Rwy. Co. Lehigh Valley R. R. Co. Chicago, Burlington and Quincy R. R. Co. E. W. Allen. W. B. Moses & Sons A. C. True et al	do	6.10
	19	Chicago, Burlington and Quincy R. R. Co.	do	29.60
	20	W. B. Moses & Sons	Rugs	21. 22 13. 50 2, 461. 00
Dec	29	A.C. True et aldo	Salaries Traveling expenses	2,461.60 3.10
	12	Jno. C. Parker	Indexes	12.20
	12	The Hammond Typewriter Co	Gasoline Strips	. \$0 . 25
		O Jno C. Parker Hugh Reilly The Hammond Typewriter Co Wyckoff, Seamans & Benedict E. W. Haines Wm. C. Ma-sey Capital Traction Co. J. L. Stone.	Repairs to typewriter	25 1.70 2.56 100.00
	13	Wm. C. Massey	Reports	100.00
	17	J. L. Stone	Manuscript	3.00 40.00
	18	Hugh Relly The Hammond Typewriter Co. Wyckoff, Seamans & Benedict E. W. Haines Wm. C. Ma-sey Capital Traction Co. J. L. Stone Oceanuc Steamship Co New York, New Haven and Hartford R. R.	Passenger transportation	2, 50 3, 92
	19	Co.	do.	2.60
	10	The Chesapeake and Ohio Rwy. Co	do	16.00
		Central of Georgia Rwy. Co	do	8. 45 2. 15
		The Hocking Valley Rwy. Co	do	3.70
		Co. Southern Pacific Co. The Chesapeake and Ohio Rwy. Co Baltimore and Ohio R. R. Co. Central of Georgia Rwy. Co. The Hocking Valley Rwy. Co. Southern Rwy. Co. The Cleveland. Cincinnati, Chicago and St. Louis Rwy. Co. do.	do	2. 15 3. 70 52. 50 25. 25
		St. Louis Rwy. Co.	do	
	20 31	do Church & Stephenson A. C. True et al	Lumber	8. 73 22. 47 2, 572. 93
		Total second questos		8, 410, 04
	903.	Total second quarter		
Jan	1. 5	E. Davenport	Manuscriptdo	35.00 40.00
	12	J.F. Duggan	Ink etc	40.00 3.80
	110	Jno. C. Parker	Knives	. 65 2. 87
		Rudolph, West & Co	Locks	1.30
	15	Library Bureau United States Engraving Co	Card trays	2, 00 14, 75
	.21	Library Bureau	Cards	1.75
	21	Hugn Reilly Lamb & Tilden	Glass Figures	1.60 3.00
	22	F. H. Hall E. Davenport J. F. Duggan D. Frank Parker Jno. C. Parker W. Silas Sheets Rudolph, West & Co Library Bureau United States Engraving Co Library Bureau Hugh Reilly Lamb & Tilden Norfolk and Washington Steamboat Co C. A. Zavitz Peter Fireman	Passenger transportation.	5. 00 60, 00
	24	Peter Fireman	Translating	33, 75

# $Expenditures of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30, 1903-\hbox{Cont'd}.$

### AGRICULTURAL EXPERIMENT STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903. Jan. 24	National Floatric Supply Co	Holder and covids	\$1.76
Jan. 42	National Electric Supply Co Chicago and Great Western Rwy. Co Alabama Great Southern R. R. Co Norfolk and Western Rwy. Co Pere Marquette R. R. Co Southern Rwy. Co. Baltimore and Ohio R. R. Co Pennsylvania R. R. Co The Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	Holder and cards	7.20
	Alabama Great Southern R. R. Co	do	21 05
26 27	Norfolk and Western Rwy. Co	do	7.80 2.42 7.80
21	Southern Rwy Co	do	2.42
	Baltimore and Ohio R. R. Co	do	8.72
	Pennsylvania R. R. Co	do	17. 93 8. 75
	The Cleveland, Cincinnati, Chicago and	do	8.75
	St. Louis Rwy. Co. Louisville and Nashville R. R. Co. United States Envelope Co A. C. True et al	do	9 89
28	United States Envelope Co	Envelopes	2.83 15.60
31	A. C. True et al	Salaries Calendar pads, etc Chair Transportation	2,592.65
Feb. 3	A. C. True et al Jno. C. Parker Woodward & Lothrop United States Express Co W. B. Moses & Sons R. Carter Ballantyne Lamb & Tilden Amoriem Writing Machine Co	Calendar pads, etc	3.45
9	United States Express Co	Transportation	1.35 3.15
· ·	W. B. Moses & Sons	Carpet sweepers	6.25
11	R. Carter Ballantyne	Envelopes	2.73
17	Lamb & Tilden	Stamp rack	. 65
21	Wyckoff Soamans & Ranadiet	Adjusting typewriter	$18.00 \\ 15.50$
24 25	American Writing Machine Co. Wyckoff, Seamans & Benedict James B. Lambie Capital Traction Co.	Carpet sweepers Envelopes Stamp rack Paper Adjusting typewriter Zinc Fare tickets	1.40
	Capital Traction Co.	Fare tickets	3.00
28	A. C. True et al  The Chesapeake and Potomac Telephone	Dataties	2,349.70
Mar. 3	Co.	Service	6.25
	do	do	6.25
4	W. H. Beal	Traveling expenses	22.75 2.29
16	A. C. True Library Bureau		2.29
18 23	A. C. True	Traveling expenses	3.00 8.21
31	A. C. True et al	Cards Traveling expenses Salaries	2, 592, 65
	Total third quarter		7, 986. 56
	-		1.50
Apr. 2	Yawman & Erbe Manufacturing Co R. B. Williams	Perforator Lantern slides	$\frac{1.50}{27.00}$
7	Houghton & Delano	Slide boxes	2.00
	Rudolph, West & Co	Keys	. 50
. 9	W.B. Moses & Sons	Desk Binding cases	23.40
11	K. B. Williams Houghton & Delano. Rudolph, West & Co W. B. Moses & Sons Jno. C. Parker Yawman & Erbe Manufacturing Co Lamb & Filden. The Hammond Typewriter Co. A. C. True The Wahash R. R. Co.	Indexes Indexes Stamp racks Stamp racks Stattles Traveling expenses Passenger transportation do do Solarios	5.00 1.00
.,	Lamb & Filden	Stamp racks	. 90 2. 50
18	The Hammond Typewriter Co	Shuttles	2.50
	The Hammond Typewriter Co. A. C. True The Wabash R. R. Co Baltimore and Ohio R. R. Co Chesapeake and Ohio Rwy. Co A. C. True et al W. B. Moses & Sons	Traveling expenses	28, 15 2, 39
	Reltimore and Ohio R. R. Co	do	19.50
	Chesapeake and Ohio Rwy. Co	do	14.00
30	A. C. True et al	Salaries	2,883.90
May 2	W. B. Moses & Sons	Chair and rack	7.20 12.47
4	A C True	do	12.27
8	Adams Express Co Wyckoff, Seamans & Benedict E. Morrison Paper Co Woodward & Lothrop	Transportation	1 10
	Wyckoff, Seamans & Benedict	Roller	2.00
	E. Morrison Paper Co	Roller Linen paper Desk	2.00 2.50 27.50
9-	Peter Fireman	Translating	24.00
15	Peter Fireman The Hammond Typewriter Co	Typewriter	85.00
	W. H. Beal	Traveling expenses	92.84
10	Library Bureau	Cards	4.70
16 19	American Writing Machine Co	Paner	2.88 18.00
20	D.Frank Parker	Stencil	2.00 90.00
25	Wyckoff, Seamans & Benedict	Typewriter	90.00
31	W. H. Beal Library Bureau Houghton & Delano American Writing Machine Co D. Frank Parker Wyckoff, Seamans & Benedict do A. C. True et al D. J. Crosby Jno. C. Parker Jno. Hamilton Peter Fireman The Chesapeake and Potomac Telephone Co Jas. N. Rupp S. N. Meyer Southern Printers' Supply Co	Desk Translating Typewriter Traveling expenses Cards Seed plates Paper Stencil Typewriter do Salaries Traveling expenses	90.00 2,977.20
June 2	D. J. Crosby	Traveling expenses	4.40
6	Jno. C. Parker	Traveling expenses Stamp rack, etc Traveling expenses Reports	6.50 32.74
	Jno. Hamilton	Traveling expenses	32.74
9	The Chesaron to and Potenna Telephone Co	Keports	30, 00 6, 25
	Jas N Runn	Services Ink Ribbons, labels	2, 50
10	S. N. Meyer	Ribbons, labels	13.50
	Southern Printers' Supply Co	Electros	9, 45
7.0	E. Morrison Paper Co	Cards Pens	2.75
12	W. B. Moses & Sons	Bookcases etc	. 82 20. 75
	11. D. MUSCO & DUMS	T-00404303,000	
	Rudolph, West & Co	Locks, etc.	1.48
13	Jas. A. Rupp. S. N. Meyer Southern Printers' Supply Co. E. Morrison Paper Co. R. Carter Ballantyne W. B. Moses & Sons Rudolph. West & Co. Woodward & Lothrop Jno. Hamilton	Bookcases, etc Locks, etc Screen Traveling expenses	8 00 8,86

#### AGRICULTURAL EXPERIMENT STATIONS—Continued.

	te.	Name.	Nature of payment.	Total.
190	)3			
$Jun\epsilon$		Yawman & Erbe Manufacturing Co	Card cabinet	\$21.6
, un	20			\$21.6 299.7
	23	Library Bureau	Boxes and cards	19.7
		W. Silas Sheetz	Photo supplies	23.0
		The B. F. Cummings Co.	Perforating machine	27.5
		United States Envelope Co	Abstract of variet	4.1
		Western Union Telegraph Co	Service	160.0
	24	E. W. Allen Library Bureau W. Silas Sheetz. The B. F. Cummings Co. United States Envelope Co. F. W. Woll Western Union Telegraph Co. Cleveland. Cincinnati, Chicago, and St. Louis Rwy, Co.	Passenger transportation	
		Louis Rwy. Co. Allantic and West Point R. R. Co. The Atchison, Topeka and Santa Fe Rwy.	do do	3. 4 28. 9
		Co.	4.	10.7
		Washington Southern Rwy Co	do	12. 7: 6. 0
		St. Louis and San Francisco R. R. Co	do	22.9
		The Wabash R. R. Co	do	9, 50
		Union Pacific R. R. Co	do	3.5
		Georgia Southern and Florida Rwy. Co	do	9,0
		Mobile and Ohio Rwy. Co	do	14.6
		Co. Washington Southern Rwy. Co. Washington Southern Rwy. Co. St. Louis and San Francisco R. R. Co. The Wabash R. R. Co. Union Pacific R. R. Co. Georgia Southern and Florida Rwy. Co. Morgan's Louisiana and Texas R. R. and	do	13.6
		5.5.00.		19, 2
		Central of Georgia Rwy Co	do	8. 1
		Terre Haute and Indianapolis R. R. Co- Central of Georgia Rwy, Co. The Chesapeake and Ohio R. R. Co. The Yazoo and Mississippi Valley R. R. Co. Texas and New Orleans R. R. Co. Baltimore and Ohio R. R. Co. Southern Rwy, Co. Seaboard Air Line Rwy, Co. D. N. Walford A. C. True et al	do	19.50
		The Yazoo and Mississippi Valley R. R. Co.	do	11.00
	25	Texas and New Orleans R. R. Co	do	10.8
	-	Baltimore and Ohio R. R. Co	do	21.00
		Southern Rwy. Co.	do	35.80
		Seaboard Air Line Rwy. Co	do	17.50
	30	D. N. Walford	Caleria	32.4
	-30	A. C. True et al	Sataries	2,883.9
		Total fourth quarter		10, 362, 10
		Supplemental.		
uly	1	B. P. Murray Wagner Typewriter Co.	Stereopticon Typewriter Trayeling expenses	121.50
	2	C F Langworthy	Typewriter	85.00 13.00
	1	C.F. Langworthy A. C. True Geo. F. Muth & Co Yawman & Erbe Manufacturing Co	do	53.60
	4	Geo. F. Muth & Co	Pencil pointers	13.00
		Yawman & Erbe Manufacturing Co	Pencil pointers Indexes, etc	14.30
		(10)	Flange roller Cleaning oesks Photo supplies	1.50
	11	Fred Marther W.S. Sheetz	Cleaning oesks	75, 00
	13	W.S. Sneetz	Photo supplies	11.70
		K. Nicolaides	Umbrella jar Frames and glasses	6.00
	15	K. Nicolaides S. J. Venable United States Envelope Co do Detay Fireman	Envelopes	6.00 42,30
	10	do	Envelopes do	42.7
		Peter Fireman	Abstract of report	33. 73
		B. P. Murray K. B. Williams	Coloring lantern slides	11.9
		K. B. Williams	Making lantern slides	3.00
	16	Chicago, Rock Island and Pacific Rwy. Co	Passenger transportation	4.2
		Chicago, Rock Island and Pacific Rwy. Co Oregon Short Line R. R. Co The Chesapeake and Ohio Rwy. Co	do	3.45
		W R Moses & Sons	Matting ote	15.00 145.16
	18	W. B. Moses & Sons J. B. Thomson D. J. Crosby	do Abstract of report Coloring lantern slides Making lantern slides Passenger transportation do do Matting.etc Stamping Traveling expenses do Solio paper	10.80
	20	D. J. Crosby	Traveling expenses	11. 96
		Jno. Hamilton	do	11. 90 42. 98
		Houghton & Delano Woodward & Lothrop D. W. Brown	Solio paper	3.05
		Woodward & Lothrop	Water-coolers	7.24
	24	D. W. Brown	Services as reporter	200.00
	1	D. W. Brown D. F. Parker J. C. Parker C. B. Smith	do Solio paper Water-coolers Services as reporter Stencil paper Mailing tubes Traveling expenses do	2.00
	25	C R Smith	Traveling ovnerges	4.00
	130		do	91. 54 33. 66
	29	H. W. Lawson	dodo	33.00 10.00
		H. W. Lawson W. H. Beal	do	52.35
		The Chesapeake and Potomac Telephone	Services	6. 25
		Co.		
ug.	14	H. M. Pieters	Abstracts of report	30.00
ept.	17	United States Envelope Co	Envelopes	4.72
ept.	. 9	do do	rne case	25, 00
	18	Western Union Telegraph Co	Telegraph service	16.00 3.11
	-0	Postal Telegraph-Cable Co	do	3. 11 3. 04
		Southern Pacific Co	Passenger transportation	2.60
		H. M. Pieters. United States Envelope Co Yawman & Erbe Manufacturing Codo Western Union Telegraph Co Postal Telegraph-Cable Co Southern Pacific Cododo Pemnsylvania R. R. Co Union Pacific R. R. Co	do	21.80 46.79

# $Expenditures of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1903-{\tt Cont'd}.$

### AGRICULTURAL EXPERIMENT STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903. Sept. 19	Supplemental—Continued.  Santa Fe, Prescott and Phoenix Rwy Washington Southern Rwy. Co Pittsburg, Cincinnati, Chicago and St.	Passenger transportationdo	\$12.70 13.80 13.65
	Louis Rwy, Co. Pennsylvania Co Baltimore and Ohio R. R. Co. Southern Rwy, Co. Rutland R. R. Co. do	do dododo	
	The Lake Shore and Michigan Southern Rwy. Co. New York, Philadelphia and Norfolk R. R. Co. New York Central and Hudson River R. R.	do	5. 00 4. 04 10. 34
21 Oct. 10	Co. Illinois Central R. R. Co. Colorado and Southern Rwy. Co. The Wabash R. R. Co. W. S. Sheetz. Pactal Talagraph Cable Co.	do do Film	3.83 3.70 2.37 1.80 8.59
31	Postal Telegraph Cable Co United States Express Co do Chicago and Northwestern Rwy. Co		$ \begin{array}{r}     \begin{array}{r}       0.35 \\       25 \\       30 \\       \hline       39.51 \\       \hline       1,546.41 \end{array} $
First qu	RECAPITULA	TION.	\$8,413.19
Third qu Fourth o	ıuarter uarter quarter ental		7, 986. 56 10, 362. 10

### STATIONS OF ALASKA

36,718,30

	STATIONS OF A	LLASKA.	,
Date.	Name.	Nature of payment.	Total.
1902.			
July 31	C. C. Georgeson	Salary	\$250.70
	J. W. Neal	do	126.40
	Fred E. Rader		126. 40
	H. P. Nielsen	. do	126.40
Aug. 23	James Fish & Co	Supplies	56.99
_ 30	Fred E. Rader	Salary	126.40
	H.P. Nielsen	. do	126.40
	C. C. Georgeson	do	252.70
	J. W. Neal	do	126.40
	C. C. Georgeson	Traveling expenses	17.25
	Total first quarter		1,338.04
0-4 1	II D Miles	Ti	142.72
Oct. 1	H. P. Nielson Fred E. Rader	Expenses	122.20
	H.P. Nielson		122.20
	J. W. Neal		122.20
	C.C. Goorgeson	do	244.60
6	C. C. Georgeson Juneau Iron Works	Renaire to boiler	115.95
16	Jas. Fish	Horse hire, etc	182.00
10	Geo. E. James		700.00
21	Fred E. Rader		
751	Portland Implement Co	Plows, etc	25.05
28	Pacific Coast Steamship Co	Transportation	
Nov. 1	J. W. Neal	Salary	126, 40
	H. P. Nielson		126.40
	Fred E. Rader	. do	126.40
	C. C. Georgeson	do	252.70
	H. P. Nielson	Expenses	64.85
17	J. W. Neal	do	9.00
	John G. Brady	Lumber	51.56
	W.P. Mills	Hardware	
	do	Lumber, etc	79.90
	do:	Coal, etc	72.33
18	Juneau Ferry and Navigation Co	Passenger transportation	10.00
10	Pacific Packing and Navigation Co	00	70.00 11.25
19	J. W. Neal	Traveling expenses	11. 20

# Expenditures of Department of Agriculture for year ending June 30, 1903—Cont'd. STATIONS OF ALASKA—Continued.

Da	te.	Name.	Nature of payment.	Total.
190	)2.			
Nov	. 21	American Writing Machine Co	Paper	\$4.5
	22	Carl Spuhn Thos. Tilson	Guano	82.6 17.5
		Thos. Tilson	Wood Fanning mill	22.5
Dec.	1	E.J. Bowen Fred E. Rader	Salary	122. 2
Dec.		H. P. Nielsen C. C. Georgeson	Salary dodo	122. 2 122. 2 244. 6
		C.C. Georgeson	do	244.6
		Fred E. Rader J. W. Neal	Expenses	22.5 122.2 4.7 136.6
	8	J. W. Neal Seattle Hardware Co	Hangers etc. for door	4 7
	12 17	Seattle Hardware Co Portland Implement Co	Hangers, etc., for door Wagon, etc	136.6
	17			105.5
		Standard Oil Co	Supplies	24. 8 3. 2
	19	do Standard Oil Co Alaska Steamship Co	Lumber, etc. Supplies Oil Transportation	25. 0
	10			
	i	Total second quarter		4,038.6
100	20			
190 Tan.		H P Wielson	Salary	126.4
an.	~	H. P. Nielsen Fred E. Rader-	Salary	126. 4
		J. W. Neal	do	126. 4
	5	J. W. Neal W. P. Mills Geo. Kostramtinoff	Tools Rent, land Coal, cement, etc	34.4 15.0
		Geo. Kostramtinoff		15.0
	13	W. P. Mills	Salary	35.3 252.7
	15	C. C. Georgeson United States Envelope Co C. D. Brunn C. W. States	Coal, cement, etc Salary Envelopes Tar felt	5. 9
		C.D. Brunn	Tar felt	10.9
		G. W. Stetson	Cedar	51.5
		Studebaker & Bros. Co	Bob sleds Expenses	60.0 $21.6$
		G. W. Stetson Studebaker & Bros. Co J. W. Neal H. P. Nielson A. Neppach Edw. De Groff C. C. Georgeson H. P. Nielsen Silas Wilson Pacific Coast Steamship Co C. C. Georgeson	do	48.0
	16	A. Neppach	Windows Wharfage, etc Traveling expenses	33.9
		Edw. De Groff	Wharfage, etc	11.0
	22	C. C. Georgeson	Traveling expenses	56.1
		H. P. Nielsen	Expenses	29. 5 22. 3
	24	Pacific Coast Steamship Co	Fruit trees Passenger transportation	10.0
Feb.		C. C. Georgeson	Expenses	12.8
		Pacine Coast Steamship Co. C. Georgesondo H.P. Nielsen J. W. Neal Fred E. Rader C. C. Georgeson W. P. Mills E. Morrison Paper Co. C. C. Georgeson C. C. C. Georgeson C. C. C. Georgeson C. C. C. Georgeson C. C. C. Georgeson C. C. Georgeson C. C. Georgeson C. C. C. Georgeson C. C. Georgeson C. C. Georgeson C.	Traveling expenses	33.0
		H. P. Nielsen	Salary	129. 2
		J. W. Neal	do	129. 2 129. 2
		C. C. Georgeson	do d	258.3
	5 9	W. P. Mills	Lumber, etc	198. 1
	9	E. Morrison Paper Co	Mounting paper	4.5 42.9
	12 16	C. C. Georgeson Lilly, Bogardus & Co Pacific Packing and Navigation Co	Traveling expenses	42. 9 23. 0
	17	Pacific Packing and Navigation Co	Passanger transportation	40.0
		H. P. Nielsen	Expenses	71.6
	18	The Oregon R. R. and Navigation Co	Passenger transportation	71.677.5
	28	Northern Pacific Rwy. Co	Transportation	1.2
	28	I W Nool	Salary	116.6 116.6
		H. P. Nielsen	do	116.6
		Walter L. Neal	do	70.0
Mar	$\frac{2}{17}$	C. C. Georgeson	do	233. 4
	17	Pacific Packing and Navigation Co H. P. Nielsen The Oregon R. R. and Navigation Co Northern Pacific Rwy. Co Fred E. Rader J. W. Neal H. P. Nielsen Walter L. Neal C. C. Georgeson Chas, Scribner's Sons United States Envelope Co Jas, Irish	Books Fryslenes	9.2 14.2
	25	Jas Irish	Envelopes Shovel, canvas, etc	19. 4
		Jas. Irish Fisher Thorsen Co Hemple & Dougherty	Chemicals	14.1
		Hemple & Dougherty	Chemicals Sleds, etc	125.5
		Total third quarter		3,064.2
1 222	1		Colone	
Apr	. 1	Walter L. Neal Fred E. Bader	Salary	70.0 129.2
		J. W. Neal	dodo	129. 2 129. 2
		Fred E. Rader J. W. Neal C. C. Georgeson	do .	40 4
		H.P. Nielsen	do	129. 2 258. 3
	2	Portland Union Stock Vanda	Oven	258, 5
	11	C. C. Georgeson H. P. Nielsen C. C. Georgeson Portland Union Stock Yards J. C. Parker Pacific Coast Steamship Co S. Willie Steamship and Navigation Co Northern Pacific Rwy. Co Pennsylvania R. R. Co Tom Tilson Lilly. Boyardus & Co	Binding cases	189. 9 1. 2
	11 14	Pacific Coast Steamship Co	Transportation	10.3
		S. Willie Steamship and Navigation Co	do	. €
	13	Northern Pacific Rwy. Co	Passenger transportation	5. 2
	21	Tennsylvania R. R. Co	Lumber	78.2 37.0
	27	Lilly, Bogardus & Co	Alfalfa, etc	51.0
Мау	2	Portland Union Stock Yards J. C. Parker Pacific Coast Steamship Co S. Willie Steamship and Navigation Co Northern Pacific Rwy. Co Pennsylvania R. R. Co Tom Tilson Lilly, Bogardus & Co C. C. Georgeson H. P. Nielsen	Salarydo	247.2
		H. P. Nielsen	do	123.6

 $Expenditures\ of\ Department\ of\ Agriculture\ for\ year\ ending\ June\ 30,\ 1903-{\bf Cont'd}.$ 

### STATIONS OF ALASKA—Continued.

	Name.	Nature of payment.	Total.
1903.			
Aay 2	R. W. De Armond	Salary	\$75.
	J. W. Neal	do	123.
	Walter L. Neal	do	70.
	Fred E. Rader	do	123.
	J. W. Duncan	Service	70.
	C. C. Georgeson Yawman & Erbe Manufacturing Co	Traveling expenses	57.
16	Yawman & Erbe Manufacturing Co	Indexes	
21	W.P. Mills Co. (Incorporated)	Lumber	25.
	do		41.
	do		42.
une 1	C.C. Georgeson		255.
j	Walter L. Neal		70.
	C. C. Georgeson	Expenses	8.
	Fred E. Rader	Salary	127.
	H.P. Nielsen	do	127.
	J. W. Neal	do	127.
	R. W. De Armond		75.
3	The Pullman Co.	Passenger transportation	11.
5	W. P. Mills Co. (Incorporated)	Copper wire	52.
12	J. W. Neal Edw. De Groff	Expenses	58.
20	Edw. De Groff	Freight and wharfage	1.
	H.P. Nielsen		43.
.00	do	do	4.
23	Stark Bros. Nursery and Orchard Co	Apple seedlings	3.
24	Northern Pacific Rwy. Co	Passenger transportation	5.
	Pacific Coast Steamship Co	do	60.
	Union Pacific Rwy. Co	do	25.
	W. P. Mills Co. (Incorporated)		19.
	Total fourth quarter		3, 209.
	Supplemental.		
uly 1:	P. H. Ross	Salary	180.
	W. L. Neal	do	70.
	J. W. Neal	do	123.
	D W Do Aumond		
	n. w. De Armond	do	75.
	F. E. Rader	do	75. 123.
	F.E. Rader H.P. Nielsen	do	75. 123. 123.
	F.E. Rader H.P. Nielsen	do	75. 123. 123. 247.
13	F.E. Rader H.P. Nielsen	do	75. 123. 123. 247. 17.
20	F.E. Rader H.P. Nielsen	do	75. 123. 123. 247. 17. 13.
ug. 1	F. E. Rader H. P. Nielsen C. C. Georgeson Lilly, Bogardus & Co W. P. Mills Co. (Incorporated) C. C. Georgeson	do do do Alfalfa Paint, etc Expenses	75. 123. 123. 247. 17. 13. 10.
20 .ug. 1 ept. 3	F. E. Rader H. P. Nielsen C. C. Georgeson Lilly, Bogardus & Co W. P. Mills Co. (Incorporated) C. C. Georgeson	do do do Alfalfa Paint, etc Expenses	75. 123. 123. 247. 17. 13. 10. 8.
ug. 1	F. E. Rader H. P. Nielsen C. C. Georgeson Lilly, Bogardus & Co W. P. Mills Co. (Incorporated) C. C. Georgeson	do do do Alfalfa Paint, etc Expenses	75. 123. 123. 247. 17. 13. 10. 8.
20 .ug. 1 ept. 3	F. E. Rader . H. P. Nielsen C. C. Georgeson Lilly, Bogardus & Co W. P. Mills Co. (Incorporated) C. C. Georgeson H. P. Nielsen Pacific Clipper Line Alaska Commercial Co	do do do Alfalfa Expenses do Transportation	75. 123. 123. 247. 17. 13. 10. 8.
20 Aug. 1 Sept. 3	F. E. Rader . H. P. Nielsen C. C. Georgeson Lilly, Bogardus & Co W. P. Mills Co. (Incorporated) C. C. Georgeson H. P. Nielsen Pacific Clipper Line Alaska Commercial Co	do do do Alfalfa Expenses do Transportation	7 12 12 24 1 1 1
20 lug. 1 ept. 3	F. E. Rader H. P. Nielsen C. C. Georgeson Lilly, Bogardus & Co W. P. Mills Co. (Incorporated) C. C. Georgeson H. P. Nielsen Pacific Clipper Line Alaska Commercial Co Total	do d	75 123 123 247 17 13 10 8 7
20 .ug. 1 ept. 3 22	F. E. Rader H. P. Nielsen C. C. Georgeson Lilly, Bogardus & Co W. P. Mills Co. (Incorporated) C. C. Georgeson H. P. Nielsen Pacific Clipper Line Alaska Commercial Co Total  RECAPITUL	.do	75. 123. 123. 247. 17. 13. 10. 8. 7. 91. 1,092.
20 .ug. 1 ept. 3 22 irst qua	F. E. Rader H. P. Nielsen C. C. Georgeson Lilly, Bogardus & Co W. P. Mills Co. (Incorporated) C. C. Georgeson H. P. Nielsen Pacific Clipper Line Alaska Commercial Co Total.  RECAPITUL arter uarter		75. 123. 123. 123. 1247. 17. 13. 10. 10. 8. 7. 91. 1,092.
20 .ug. 1 ept. 3 22 irst qua econd q hird qu	F. E. Rader . H. P. Nielsen C. C. Georgeson Lilly, Bogardus & Co W. P. Mills Co. (Incorporated) C. C. Georgeson H. P. Nielsen Pacific Clipper Line Alaska Commercial Co Total  RECAPITUL arter uarter uarter arter	do do do Alfalfa Paint, etc Expenses do Transportation	75. 123. 123. 123. 123. 247. 17. 13. 100. 8. 7. 91. 1,092. \$1,338. 4.038. 3.064.
irst qua econd q ourth o	F. E. Rader H. P. Nielsen C. C. Georgeson Lilly, Bogardus & Co W. P. Mills Co. (Incorporated) C. C. Georgeson H. P. Nielsen Pacific Clipper Line Alaska Commercial Co Total.  RECAPITUL arter uarter	do d	75. 123. 123. 123. 123. 1247. 17. 13. 100. 8. 7. 91. 1,092. \$1,338. 4.038. 2.3.064. 3.209.

#### SETTLED BY TREASURY.

Date.	Name.	Nature of payment.	Amount.
1903. Jan. 29 Mar. 11 Apr. 17	Quartermaster's departmentdo The Public Printer Southern Pacific Co.	Hay and oatsdo Printing report Passenger transportation	\$59, 90 144, 20 6, 70 31, 60
	Total		242.40
1902. July 1	C. C. Georgeson do Total		1,000.00 1,000.00 2,000.00

1.091,80

# $Expenditures of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30, 1903-{\tt Cont'd.}$

### STATIONS OF HAWAII.

Date.	Name.	Nature of payment.	Total.
1902. Aug. 26	Jno. C. Parker	Tags	\$4.90
	Total first quarter		4.90
Oct. 29	Mackall Bros	Chemicals	23. 25
)et. 29			
	Total second quarter		23. 25
1903. fan. 13 15 22 28 Feb. 16 18	E. Morrison Paper Co. G. E. Stechert. Wolf Bros G. R. Collins. G. E. Stechert. American-Hawaiian S. S. CodoUnion Pacific R. R. Co.	do	5, 50 13, 80 5, 50 2, 51 7, 50 4, 30 2, 00
dar. 14 18 20	P. J. Beckmans Co. United States Envelope Co. G. E. Stechertdo	Strawberry plants Envelopes Books Cable code	1.27 3.15 28.50 1.72 2.50
	Total third quarter		78.36
Apr. 14 May 8 June 17 23	The Atchison, Topeka and Santa Fe Rwy. Co Union Pacific R. R. Co. E. Morrison Paper Co G. E. Stechert Western Union Telegraph Co	Transportation do Copy books Books Service	4. 56 2. 65 5. 00 12. 40 1. 83
	Total fourth quarter		26.49
First qua Second q Third qu Fourth q	RECAPITULA arter uarter iarter uarter	TION.	\$4. 90 23. 25 78, 36
ourth q	RECAPITULA arter uarter aarter	TION.	\$4. 90 23. 25 78, 36
ourth q	RECAPITULA arter uarter uarter uarter	TION.	\$4. 90 23. 28 78. 30 26. 49
Date.  1902. July 1 Aug. 25	RECAPITULA uarter uarter uarter uarter uarter uarter tal STATIONS OF HAWAII—	TION.  SPECIAL AGENT.  Nature of payment.	\$4. 96 23. 25 78. 36 26. 45
Total Date.  1902. [1902. [1902. 25] [1904. 28] [1905. 4] [1903. [1903. ] [1907. 4] [1907. 20]	RECAPITULA     arter         iarter       iarter	TION.  SPECIAL AGENT.  Nature of payment.	\$4.90 23.25 78.35 26.45 132.99 Total. \$3.000.00 2.000.00 2.000.00 2.000.00 2.000.00
Date.  1902. uly 1 tug. 25 ct. 28 oec. 4 1903. 1903. 14ar. 17 typr. 20	RECAPITULA	SPECIAL AGENT.  Nature of payment.	\$4.90 23.22 78.33 26.42 132.99 Total. \$3.000.00 2.000.00 2.000.00 2.000.00 2.350.00 2.350.00 250.00

Total first quarter .....

### STATIONS OF PORTO RICO-Continued.

Date.	Name.	Nature of payment.	Total.
1902.			
Oct. 1	Paul A. English	Salary	\$73.40
	C. R. Newton	do	81.60
	Paul A. English C. R. Newton O. W. Barrett J. W. Van Leenhoff Frank D. Gardner C. R. Newton J. W. Van Leenhoff Paul A. English O. W. Barrett Frank D. Gardner New York and Porto Rico Steamship Co Houghton & Delano Frank D. Gardner O. W. Barrett C. R. Newton	do	81.60 97.80
	J. W. Van Leenhoff	do	29.40
	Frank D. Gardner	do	244.60
Nov. 1	C. R. Newton	do	84.20
	Poul A English	do	30.30
	O W Barrett	do	75.80
8	Frank D Gardner	do	101.10 252.70
18	New York and Porto Rico Steamship Co	Passenger transportation	44.00
19	Houghton & Delano.	Prints	1.59
Dec. 1	Frank D. Gardner	Salary	244.60
	O. W. Barrett	do	97.80
	C. R. Newton Paul A. English J. W. Van Leenhoff Frank D. Gardner L. P. Beage	do	81.60
	Paul A. English	do	73. 40 29. 40
	J. W. Van Leenhoff	do	29. 40
3	Frank D. Gardner	Traveling expenses	47.70
6	In a C Dowley	Freights	6.00
11	G W Moss	Labels Passanger transportation	. 45 44. 00
12	I. P. Roosa Jno. C. Parker G. W. Moss. C. P. Close. The Democratical P. P. Co.	Passenger transportation Traveling expenses Passenger transportation	4.8
19	The Pennsylvania R. R. Co	Passenger transportation	6.50
1.7		1-	
	Total second quarter	\	1,752.7
1903.	T 777 TT T 1 00	a 1	00.0
Jan. 2	J. W. Van Leenhoff O. W. Barrett	Salary	30, 30 101, 10
	Doul A English	do	75.8
	Paul A. English C. R. Newton	do	84.2
	Frank D. Gardner	do	252.7
15	J. Manz Engraving Co	Engravings	35.0
10	United States Envelope Co	Envelopes	3.1
	R. D. Cortina Academy of Languages	Dictionary	$\frac{3.1}{14.5}$
	The Rudolph Paper Box Co	Pamphlet cases	13.0
22	United States Envelope Co	Envelopes	25.0
Feb. 2	Frank D. Gardner	Salary	25. 00 258. 30 129. 20
	O. W. Barrett	do	129. 20
	Paul A. English	do	77.50
3	J. W. Van Leennon	Chierring to ac	31.00 4.75
11	P. Canton Pollantyno	Labels etc	4. 1.
16	Hanion & Hubbell	Hydraulie ram	22. 50 6. 50 28. 00
19	Pennsylvania R. R. Co	Passenger transportation	6.5
28	J. W. Van Leenhoff	Salary	28.0
	O. W. Barrett	do	116.6
	C.R. Newton Frank D. Gardner J. Manz Engraving Co United States Envelope Co R. D. Cortina Academy of Languages. The Rudolph Paper Box Co United States Envelope Co Frank D. Gardner O. W. Barrett Paul A. English J. W. Van Leenhoff Jno. C. Parker R. Carter Ballantyne Henion & Hubbell Pennsylvania R. R. Co J. W. Van Leenhoff O. W. Barrett Frank D. Gardner	do	233. 4
	Total third quarter		1,543.4
Apr. 1	J. W. Van Leenhoff	Salary	31.0
	J. W. Van Leenhoff O. W. Barrett	do	129. 20
	Frank D. Gardner	do	258. 3
2	Griffith & Turner Co	Wagon, mower, etc	47.1
. 8	O. W. Barrett Frank D. Gardner Griffith & Turner Co Paul A. English Boulton, Bliss & Dallett American Writing Machine Co Frank D. Gardner J. W. Van Leenhoff O. W. Barrett Edw. C. Howe	Salary	$47.1 \\ 37.5 \\ 40.0$
14	Boulton, Bliss & Dallett	Transportation	40.0
23	American Writing Machine Co	Paper	$\begin{array}{c} 4.5 \\ 247.2 \\ 29.7 \end{array}$
May 2	T.W. Ven Leenhoff	Salary	241.2
	O. W. Van Leennon	do	193 6
9	Edw C Howe	do	152 7
15	United States Envelope Co	Envelope	6.3
June 1	Frank D. Gardner	Salary	152. 7 6. 3 255. 5
, 4,10 1	J. W. Van Leenhoff	do	30.6
	Edw. C. Howe	do	102.2
	O. W. Barrett	do	102.20 127.80
	T. S. Earle	do	180.0
18	do	Traveling expenses	66.0
24	Pennsylvania R. R. Co New York and Porto Rico Steamship Co	Transportation	6.50 40.0
25	dodo	do	1.8
	O. W. Barrett. Edw. C. Howe. United States Envelope Co. Frank D. Gardner. J. W. Van Leenhoff. Edw. C. Howe. O. W. Barrett. T. S. Earle. do Pennsylvania R. R. Co New York and Porto Rico Steamship Co. do Boulton, Bliss & Dallett.	ġo	40.0
	Total fourth quarter		1,957.7
	Supplemental.		

# $Expenditures \ of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1903-{\rm Cont'd}.$

	Name.	Nature of payment.	Total.
Date.	Traine.	Tratal of paymont.	
	Supplemental—Continued.		
1903. July 1	O W Barrett	Salary	\$123.6
	O. W. Barrett F. D. Gardner Louis Hartig	do	\$123. 6 247. 2 3. 7
Aug. 15	Louis Hartig	Wire	3.7
	Total		503. 2
First an	RECAPITULA	ATION.	. \$1,091.8
Second o	uarter		1,752.7
Third qu Fourth c	arter		1,543.4
Supplem	irter uarter iarter uarter ental		1,957.7 530.2
	al		
	STATIONS OF PORTO RIC	O-SPECIAL AGENT.	
Date.	Name.	Nature of payment.	Total.
1002			
1902. July 1	F. D. Gardner		\$1,000.0
July 1 Aug. 11 Nov. 12	do		2,000.0
	do		2,000.6
1903. Apr. 22	do		1,500.0
	Total		6,500.0
		1	
	NUTRITION INVES	STIGATIONS.	
1902. July 31	C.F. Langworthy et al	Salaries	§168. ā
Aug. 4			84.2
-	Chas D. Woods W. O. Atwater et al H. S. Grindley C. F. Langworthy Chas D. Woods W. O. Atwater et al H. A. Pratt	Salaries Traveling expenses	886.0
19 30	H. S. Grindley	Traveling expenses Salary	22. 168.
Sept. 2	Chas. D. Woods	dodo	84.
3	W. O. Atwater et al	Salaries Traveling expenses	690.0
24	C. F. Langworthy	Traveling expenses	11. 1 13. 2
30	C. F. Langworthy	Salaries	163.0
	Total first quarter		2,290.9
Oot 9			
Oct. 3	Chas. D. Woods	Salary	81.6
16	Chas. D. Woods	Salary	81. 6 746. 5 26. 0
16 31	Chas. D. Woods	Salary	81.6 746.3 26.6 168.3
16 31	Chas. D. Woods	Salary	81.6 746.3 26.0 168.3 84.7
16 31	Chas. D. Woods W. O. Atwater et al H. E. Bidwell C. F. Langworthy Chas. D. Woods W. O. Atwater et al W. O. Atwater	Salary Salaries Salarydododo Salaries Expenses	81.6 746.3 26.6 168.3 84.7 881.3
16 31	Chas. D. Woods W. O. Atwater et al H. E. Bidwell C. F. Langworthy Chas. D. Woods W. O. Atwater et al W. O. Atwater	Salary Salaries Salary do Salaries Expenses Report	81.6 746.3 26.6 168.3 84.2 881.3 45.0 500.0
Nov. 3	Chas, D. Woods W. O. Atwater et al H. E. Bidwell C. F. Langworthy Chas, D. Woods W. O. Atwater et al W. O. Atwater H. S. Grindley W. O. Atwater	Salary Salaries Salary do Salaries Expenses Report	81.6 746.3 26.0 168.3 84.7 881.3 45.0 500.0
Nov. 3	Chas. D. Woods W. O. Atwater et al H. E. Bidwell C. F. Langworthy Chas. D. Woods W. O. Atwater et al W. O. Atwater H. S. Grindley W. O. Atwater do	Salary Salaries Salary do do Salaries Expenses Report Traveling expenses do	81.6 746.2 26.0 168.3 84.3 881.3 45.0 500.0 11.2
16 31 Nov. 3 8 17	Chas. D. Woods W. O. Atwater et al H. E. Bidwell C. F. Langworthy Chas. D. Woods W. O. Atwater et al W. O. Atwater H. S. Grindley W. O. Atwater do do Southern Printers' Supply Co	Salary Salaries Salary do do Salaries Expenses Report Traveling expenses do do	81.6 746.: 26.0 168.: 84.: 881.: 45.0 500.0 11 28 46.:
16 31 Nov. 3 8 17	Chas. D. Woods W. O. Atwater et al H. E. Bidwell C. F. Langworthy Chas. D. Woods W. O. Atwater et al W. O. Atwater H. S. Grindley W. O. Atwater do do Southern Printers' Supply Co	Salary Salaries Salary do do Salaries Expenses Report Traveling expenses do do	81.6 746.3 26.0 168.3 84.7 881.3 45.0 500.0 111.28.3 46.8
16 31 Nov. 3 8 17	Chas. D. Woods W. O. Atwater et al H. E. Bidwell C. F. Langworthy Chas. D. Woods W. O. Atwater et al W. O. Atwater H. S. Grindley W. O. Atwater do do Southern Printers' Supply Co	Salary Salaries Salary do do Salaries Expenses Report Traveling expenses do do	81.6 746.2 26.6 168.3 84.7 881.3 45.6 500.6 111.2 28.3 46.3 226.6 894.6
16 31 Nov. 3 8 17 22 29 Dec. 1	Chas. D. Woods W. O. Atwater et al. H. E. Bidwell C. F. Langworthy Chas. D. Woods. W. O. Atwater et al. W. O. Atwater et al. W. O. Atwater H. S. Grindley W. O. Atwater do do Southern Printers' Supply Co. C. F. Langworthy et al. W. O. Atwater et al. Chas. D. Woods The Torsion Balance Co.	Salary Salaries Salary do do Salaries Expenses Report Traveling expenses do do Electros Salaries , do	81.6 746.2 26.6 168.3 84.7 881.3 45.6 500.6 111.2 28.3 46.8 894.8 81.6
16 31 Nov. 3 8 17 Dec. 1	Chas, D. Woods W. O. Atwater et al H. E. Bidwell C. F. Langworthy Chas, D. Woods W. O. Atwater et al W. O. Atwater H. S. Grindley W. O. Atwater do do Couthern Printers' Supply Co C. F. Langworthy et al W. O. Atwater et al C. F. Longworthy et al W. O. Atwater et al Chas, D. Woods The Torsion Balance Co W. O. Atwater	Salary Salaries Salary do do salaries Expenses Report Traveling expenses do Electros Salaries do Salaries To Verging expenses To	81. 6 746. 3 26. 0 168. 5 84. 2 881. 5 45. 0 111. 1 28. 1 46. 8 894. 6 6. 6 22. 2
16 31 Nov. 3 8 17 22 29 Dec. 1	Chas. D. Woods W. O. Atwater et al H. E. Bidwell C. F. Langworthy Chas. D. Woods W. O. Atwater et al W. O. Atwater H. S. Grindley W. O. Atwater do do Southern Printers' Supply Co. C. F. Langworthy et al W. O. Atwater et al W. O. Atwater The Torsion Balance Co W. O. Atwater Benedict & Burnham Manufacturing Co. Benedict & Burnham Manufacturing Co.	Salary Salaries Salary do do salaries Expenses Report Traveling expenses do Electros Salaries do Salaries To Verging expenses To	2,290.5 81.6 746.5 26.0 188.7 84.2 85.0 60.0 11.1 28.1 26.6 81.6 6.7 22.3 38.6
16 31 Nov. 3 8 17 Dec. 1	Chas. D. Woods W. O. Atwater et al H. E. Bidwell C. F. Langworthy Chas. D. Woods W. O. Atwater et al W. O. Atwater H. S. Grindley W. O. Atwater do do Couthern Printers' Supply Co. C. F. Langworthy et al W. O. Atwater et al Chas. D. Woods The Torsion Balance Co W. O. Atwater Benedict & Burnham Manufacturing Co. Lyman D. Mills	Salary Salaries Salary do do do Salaries Expenses Report Traveling expenses do Electros Salariesdo Salary Weights Traveling expenses Traveling expenses Traveling expenses	81.6 746.2 26.0 168.3 84.2 881.4 45.0 111.1 28.1.3 28.1.3 894.6 81.6 6.7 22.2 38.6
16 31 Nov. 3 8 17 Dec. 1	Chas. D. Woods W. O. Atwater et al H. E. Bidwell C. F. Langworthy Chas. D. Woods W. O. Atwater et al W. O. Atwater H. S. Grindley W. O. Atwater do do Couthern Printers' Supply Co. C. F. Langworthy et al W. O. Atwater et al Chas. D. Woods The Torsion Balance Co W. O. Atwater Benedict & Burnham Manufacturing Co. Lyman D. Mills	Salary Salaries Salary do do do Salaries Expenses Report Traveling expenses do Electros Salariesdo Salary Weights Traveling expenses Traveling expenses Traveling expenses	81.1 746.2 26.0 188.3 84.1 45.0 500.0 11.1 226.3 894.4 81.6 6.1 22.2 22.2 38.0 18.1 146.7
16 31 Nov. 3 8 17 Dec. 1	Chas. D. Woods W. O. Atwater et al H. E. Bidwell C. F. Langworthy Chas. D. Woods W. O. Atwater et al W. O. Atwater H. S. Grindley W. O. Atwater do do Couthern Printers' Supply Co. C. F. Langworthy et al W. O. Atwater et al Chas. D. Woods The Torsion Balance Co W. O. Atwater Benedict & Burnham Manufacturing Co. Lyman D. Mills	Salary Salaries Salary do do do Salaries Expenses Report Traveling expenses do Electros Salariesdo Salary Weights Traveling expenses Traveling expenses Traveling expenses	81.1 746.2 26.6 188.3 84.1 45.0 500.0 111.1 28.3 46.1 894.1 894.1 81.1 6.2 22.3 88.1 146.2
16 31 Nov. 3 8 17 Dec. 1	Chas, D. Woods W. O. Atwater et al H. E. Bidwell C. F. Langworthy Chas, D. Woods W. O. Atwater et al W. O. Atwater et al W. O. Atwater H. S. Grindley W. O. Atwater Godo Gouthern Printers' Supply Co. C. F. Langworthy et al W. O. Atwater et al Chas, D. Woods The Torsion Balance Co W. O. Atwater Benedict & Burnham Manufacturing Co Davol Rubber Co Lyman D. Mills International Silver Co Eisenhuth Horseless Vehicle Co. National Enameling and Stamping Co Stanlay & Patanson Theoryman and	Salary Salaries Salary do do do Salaries Expenses Report Traveling expenses do Salaries do Salaries Veights Traveling expenses Traveling expenses Plating Washers Repairs Plating Sprocket Soup-stock pots	81.1 746.2 26.6 188.3 84.1 45.5 500.0 11.1 28.3 46.4 46.4 6.5 226.3 894.8 11.1 6.2 22.2 38.8 146.1 15.1 16.2 22.3 18.1 18.3 18.3 18.3 18.3 18.3 18.3 18
16 31 Nov. 3 8 17 Dec. 1	Chas, D. Woods W. O. Atwater et al H. E. Bidwell C. F. Langworthy Chas, D. Woods W. O. Atwater et al W. O. Atwater et al W. O. Atwater H. S. Grindley W. O. Atwater Godo Gouthern Printers' Supply Co. C. F. Langworthy et al W. O. Atwater et al Chas, D. Woods The Torsion Balance Co W. O. Atwater Benedict & Burnham Manufacturing Co Davol Rubber Co Lyman D. Mills International Silver Co Eisenhuth Horseless Vehicle Co. National Enameling and Stamping Co Stanlay & Patanson Theoryman and	Salary Salaries Salary do do do Salaries Expenses Report Traveling expenses do Salaries do Salaries Veights Traveling expenses Traveling expenses Plating Washers Repairs Plating Sprocket Soup-stock pots	81.1 746. 26.6 188.3 84.1 45.0 500.0 111. 228. 46. 6. 6. 6. 6. 6. 22. 38. 146. 22. 38.
16 31 Nov. 3 8 17 Dec. 1	Chas. D. Woods W. O. Atwater et al H. E. Bidwell C. F. Langworthy Chas. D. Woods W. O. Atwater et al W. O. Atwater H. S. Grindley W. O. Atwater do do Couthern Printers' Supply Co. C. F. Langworthy et al W. O. Atwater et al Chas. D. Woods The Torsion Balance Co W. O. Atwater Benedict & Burnham Manufacturing Co. Lyman D. Mills	Salary Salaries Salary do do do Salaries Expenses Report Traveling expenses do Salaries do Salaries Veights Traveling expenses Traveling expenses Plating Washers Repairs Plating Sprocket Soup-stock pots	81.1 746.26.6 168.8 84.1 45.0 500.0 111.1 228.4 46.6 6.2 22.3 38.1 146.2 25.0

### NUTRITION INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903,			
Jan. 2	W. O. Atwater et al. Chas, D. Woods J. M. Van Vleck Middletown Gaslight Co. C. F. Langworthy United States Envelope Co Eimer & Amend A. B. Curtiss. W. O. Atwater Middletown Electric Light Co.	Salaries	\$969.15
8	Chas. D. Woods	Salary	84.20
5	J. M. Van Vleck	Salary Electric power	84.36
10	Middletown Gaslight Co	Gas	19.46
10 15	United States Envelope Co	Traveling expenses.	22.90 6.47
10	Eimer & Amend	Envelopes Retorts, etc	19.00
16	A. B. Curtiss	Safe	52.88
	W.O. Atwater Middletown Electric Light Co	Safe Expenses	94.50
- 22			5. 32
22 24	W. O. Atwater do	Expenses	33.15
27 27	do	Traveling expenses	34. 22
31	do C.F. Langworthy et al M. E. Jaffa	Salaries	56.82 244,50
Feb. 2	M. E. Jaffa	Report	500.00
Feb. 2 4	Chas. D. Woods. W. O. Atwater et al.	Report Salary Salaries Expenses	86.10
	W.O. Atwater et al	Salaries	719.17
14	do	Expenses	152.25
	H. E. Bidwell	Salary Typewriter stand	50.00
16	Wyckon, Seamans & Benedict	Typewriter stand	94.50
	Folt & Townst Manufacturing Co	Services. Comptometer	250.00
	H. E. Bilweii Wyckoff, Seamans & Benedict H. C. White Felt & Tarrant Manufacturing Co The Middletown Electric Light Co Pelton & King	Electric power	125.00 14.74
	Pelton & King	Electric power Paper	19.50
20	H. A. Grindley Crosby Steam Gauge and Valve Co. Kintaro Oshmia C. F. Langworthy et al W. O. Atwater W. O. Atwater et al. Class D. Woods	Report	500.00
28	Crosby Steam Gauge and Valve Co	Report Hydraulic indicator cock	500.00 11 00
	Kintaro Oshmia	Salary	75,00
7.5	C.F. Langworthy et al	Salaries	221.00
Mar. 2	W.O. Atwater	Expenses Salaries	122.00 594.39
	Chas. D. Woods	Salary	594. 59
14			77.80 27.30
31	Middletown Gaslight Co C. F. Langworthy et al	Salaries	244.50
-	Total third quarter		5,611.18
A			
Apr. 1	W. O. Atwater et al	Salaries	873.76
a	Chas. D. Woods C. E. Wait	Salary Report	86.10 500.00
9	W.O. Atwater	Expenses	57.50
16	do	do	12.00
17	Middletown Electric Light Co	Current	12.99 29.10
18	Geo. M. Pratt	Coal	29.10
20	W. O. Atwater	Expenses	15.15
21 28	do American Writing Machine Co Fred A. Schmidt	Traveling expenses Paper Pencils	10.50 4.50
40	Fred A Schmidt	Pencils	1.30
May 2		Salary Salaries Electric lights Expenses Services	82.40
	W. O. Atwater et al Jno. M. Van Vleck W. O. Atwater	Salaries	920.70
	Jno. M. Van Vleck	Electric lights	46, 25
15	W.O. Atwater	Expenses	14.00
10	M. E. Jaffa	Services	250.00
16 18	W.O. Atwater		145, 50 7, 50
10	W. O. Atwater Pelton & King M. W. Hennigar United States Envelope Co. Pelton & King Yawman & Erbe Manufacturing Co	Prints	9.00
19	United States Envelope Co.	Envelopes	6.30
20	Pelton & King	Residual sheets	9.00
	Yawman & Erbe Manufacturing Co	Files, etc.	47.40
26	Harry Suvger	Report on experiments	500, 00 295, 00
	H. Raymond The Middletown Electric Light Co	Comptometer, etc	295.00 38.16
	W. Q. At water	Exponence	7.66
	do.	do	9.75
June 2	do. Chas. D. Woods W. O. Atwater et al	Report on experiments Comptometer, etc. Electric power Expenses do Salary Salary	9.75 85.00
	W.O. Atwater et al	Salaries	875.49
		Expenses	145.00
	do	Traveling expenses	61, 13 64, 75
3	R. D. Milner	Electric person	64.75
19	R. D. Milner Middletown Electric Light Co Middletown Gaslight Co Western Union Telegraph Co The S. S. White Dental Manufacturing Co Eimer & Amend L. M. Year Week	Salaries Salaries Expenses Traveling expenses do Electric power Gas Service	14.10 27.02
23	Western Union Telegraph Co	Service	81.02
20	The S. S. White Dental Manufacturing Co.	Cylinder-voke connections	. 66 9. 60
	Eimer & Amend	Cylinder-yoke connections Chemicals, etc	116.85
		Electric power	27.30
24	W.O. Atwater	Electric power Traveling expenses	15.13
25	H. S. Grindley	Services	500.00
	Total fourth quarter		5,933.98

### NUTRITION INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903. July 1 2 16 28 Aug. 19 Sept. 18	Supplemental.  Harry Snyder C. E. Wait C. D. Woods W.O. Atwater et al M. H. Hennigar R. D. Milner Bausch & Lomb Optical Co. Western Union Telegraph Co	Report on food economy do Salary Salaries Prints, etc Expenses Graduates, etc Telegraph service	\$259.00 250.00 82.40 817.22 38.00 76.5- .44
First qua		ATION.	. \$2,290.96

First quarter	. \$2,290,96
Second quarter	
Third quarter	5,611.18
Fourth quarter	
Supplemental	_ 1,524.66
Total	10 907 50

#### IRRIGATION INVESTIGATIONS.

D	ate.	Name.	Nature of payment.	Total.
10	002.			
	y 25	Geo. P. Killian Co	Boxes	\$1,50
0 41	31	Elwood Mead et al	Salaries	1,003,35
Au	g. 4	Jas. W. Wilson et al	do	1,085.76
		Clarence T. Johnston et al		887.90
	5	A. R. Whitson	Salary	100.00
	11	A. R. Barnes & Co		27.50
	14	Frank Adams		135.95
	$\frac{15}{19}$	J. D. Stannard Chas, G. Elliot		39.40 78.91
	21	J. S. Green		500.00
	30	Elwood Mead et al	Report Salaries	1,002,06
Ser	t. 3	W. & L. E. Gurley		14.40
	5	J. C. Stevens	Salary	35.00
		J. C. Nagle	đổ	67.50
		Clarence T. Johnston et al	Salaries	1.022.70
		do	Expenses	10.83
	6	do	Traveling expenses	82.85
	- 8	H.J. Waters	Salary	200.00
	12	Frank Bond		35.15
	15	J. C. Nagle		45.22
	17	A. R. Whitson		130.00 100.00
		O. V. P. Stout	Traveling expenses	469.54
		J.D. Stannard	dodo	40.00
		Austin B. Crane	Salary	70.00
		Clarence T. Johnston		35, 05
		W. & L. E. Gurley	Time recorders	28.80
		Jas. M. Wilson et al	Salaries	1.002.86
	18	Oregon Short Line R. R. Co	Passenger transportation	18.00
	25	Jno. C. Parker		8.64
		Elwood Mead		17.50
	26		do	296.95
	27	American Writing Machine Co W. B. Dunton	Typewriter paper Traveling expenses	9.00 29.31
	30	Elwood Mead et al	Salaries	1.086.53
	.,,,		Salaries	
		Total first quarter		9, 713, 16
Oct	. 1	Hiram Sapp	Office rent	180.00
	6	Clarence T. Johnston et al	Salaries	761.40
		L. G. C. Mayer	Salary	85.33
		Austin B. Crane	do	40.00
		Wm. E. Smythe	Report	250.00
	9	C.G. Elliott		37.45
	15	J. C. Nagle	Salary	130.00
	16	Houghton & Delano Jas. M. Wilson et al	Films	4.80 748.80
	10	C. E. Tait.	Salaries Traveling expenses	47.30
		Jay D. Stannard	dodo	63.15

### IRRIGATION INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1902.			44.00 OF
Oct. 16	Clarence T. Johnston	Traveling expenses	\$129.35 21.25
17	do do	Dividers, etc.	$21.25 \\ 5.42$
-20	National Engraving Co	Traveling expenses Expenses Dividers, etc Drawing material Cut. Salary Traveling expenses	14.75
20 21	A R Whitson	Cut	100.00
14.1	A.R. Whitson Elwood Mead	Traveling expenses	146.35
90	Jay D. Stannard	dodo	35.00
23 24	Woodward & Lothrop Wyckoff, Seamans & Benedict	Repairs to typewriter	2.10 16.00
30	C. G. Elliott J. M. Wilson	Traveling expenses	63, 80
	J. M. Wilson	Expenses	62.00 25.85
31	do Elwood Mead et al	Expenses Traveling expenses Salaries Salary	1.072.19
Nov. 3	O. V. P. Stout J. M. Wilson et al A. E. Chandler	Salary	84. 20 557. 10 22. 26
	J. M. Wilson et al	Salary Salaries Expenses Salary Salaries Traveling expenses do do	22. 26
4	A. R. Whitson Clarence T. Johnson et al	Salary	100.00
	Clarence T. Johnson et al	Salaries	991.00
	do. O.V.P.Stout Frank Bond	do do	24.85 83.72
	Frank Bond	do	81.67
e	O. V. P. Stout L. G. C. Mayer A. E. Chandler	Colomy	387.58 84.20
6	A.E.Chandler	Traveling expenses	10.00
	C.E. Tait	do	25. 25
8 10	A. E. Chandler C. E. Tait. W. B. Dunton Frank Adams Clarence T. Johnston C. G. Elliott E. R. Morgan J. C. Nagle Elwood Mead Capital Traction Co Baltimore and Ohio R. R. Co The Chicago, Burlington and Quincy R. R. Co.	do Salary Traveling expenses do do Expenses Traveling expenses Salary do Traveling expenses Tickets Passenger transportation	85.40 48.00
17	Clarence T. Johnston	Expenses	29.57
	C.G. Elliott	Traveling expenses	41.80
	E. R. Morgan	Salary	90.00 100.00
	Elwood Mead	Traveling expenses	38.30
10	Capital Traction Co	Tickets	3.00 12.75
18 19	The Chicago Burlington and Oniney R. R.	Passenger transportationdo	29.00
	Co.		
25 29	L.G. Carpenter Elwood Mead et al Austin B. Crane J. M. Wilson et al	SalarySalaries	385.00 1,031.20
Dec. 29	Austin B Crane	Salary	1,031.20
200. 1	J. M. Wilson et al	Salary Salariesdo Paper Lantern slides Salarydododo	510.80
	Clarence T. Johnston et al. American Writing Machine Co. M. A. Seed Dry Plate Co. L. G. C. Mayer C. G. Elliot E. R. Morgan A. R. Whitson	Domon	912.60 18.00
	M. A. Seed Dry Plate Co	Lantern slides	13. 18
6	L. G. C. Mayer	Salary	81.6
8	C. G. Elliot	do	130.40 110.00
	A. R. Whitson	do	100.00
	E. R. Morgan A. R. Whitson Library Bureau A. E. Chandler Harry B. Needham Wyckoff, Seamans & Benedict W. B. Dunton Union Pacific R. R. Co	Boxes Traveling expensesdo	3.00 36.25
	Harry B. Needham	do	21 2
12	Wyckoff, Seamans & Benedict	Typewriter, etc.	92. 25 35. 45 16. 90 10. 30
16 19	W. B. Dunton	Traveling expenses Passenger transportation	35. 49 16. 98
10	The Cleveland, Cincinnati, Chicago and St.	dodo	10.3
	do do	do	17.50 22.50
	do	do	11.8
	Galveston, Harrisburg and San Antonio	do	19.5
	Rwy. Co. Denver and Rio Grande R. R. Co	do	6.80
27	L. C. G. Mayer	Traveling expenses	6. 86 87. 12 120. 00
31	J. C. Nagle	Salary	120.00 5.00
- 01	L. C. C. Mayer J. C. Nagle Elwood Mead Elwood Mead et al	do Traveling expenses Salary Traveling expenses Salaries	5.00 $1,292.1$
			12,189.2
	Total second quarter		100.0
1903.	O. T. TIT. II	~ .	00.04
Jan. 2	O. L. Waller J. M. Wilson et al	Salary	80.00 438.39
ð		Traveling expenses	438.3 7.0 180.0
5	Hiram Sapp A. R. Whitson Clarence T. Johnston et al	Rent	180.00
6	A.K. Whitson Clarence T. Johnston et al	Salaries	1.007.70
	do	Expenses	1,007.70 20.13 19.33
10 13	do Louise Ross Fred A. Schmidt E. R. Morgan	Salary Salaries Traveling expenses Rent Salary Salaries Expenses Traveling expenses Colors Salary	19.38 2.98
		1.01018	102.00

### IRRIGATION INVESTIGATIONS—Continued.

Dat	te.	Name.	Nature of payment.	Total.
190	3.	-		
Jan.		A. E. Chandler Clarence T. Johnston do	Traveling expenses	\$25.25
		Clarence T. Johnston	do	70.52
	10	do	Expenses	28.20
	19	K. B. Duncan	Traveling expenses	56.35
	24	Walter B. Dunton Pittsburg, Cincinnati and St. Louis Rwy.	Passenger transportation	73.50 16.00
		Co.		
	26	Illinois Central R. R. Co. The Chesapeake and Ohio Rwy. Co.	dodoPlates	3.83 16.95
	27	Andrew B Graham	Plates	25.00
	21	Andrew B. Graham Denver and Rio Grande R. R. Co	Passenger transportation	44. 75
		Atlantic Coast Line R. R. Co	do Envelopes Salaries Eyelets	15. 55
	29	United States Envelope Co Elwood Mead et al	Envelopes	7.80
	31	Elwood Mead et al	Salaries	1. 432. 50
Feb.	2	Jno, C. Parker	Eyelets	2. 15 112. 00
	3	A. F. Chandler et al	Salary	318 60
		Clarence T. Johnston et al	Salaries	877.72
	4	Jno. C. Parker O. L. Waller A. E. Chandler et al Clarence T. Johnston et al L. G. C. Mayer Elwood Mead	Traveling expenses	318.60 877.72 18.75
		Elwood Mead		13, 55
	7	Capital Traction Co	Car tickets Salary	3.00
	9	Hnited States Express Co	Transportation	100.00 5.55
	11	Houghton & Delano	Plate holders	6.00
	12	Arthur P. Stover	Plate holders Traveling expenses	48, 25
		Elwood Mead Capital Traction Co A. R. Whitson United States Express Co Houghton & Delano. Arthur P. Stover Adams Express Co Frank Adams	Transportation	5.10
	14	Frank Adams	Traveling expenses	78.48
	10	Frank Adams Walter B. Dunton Cleveland, Cincinnati, Chicago and St.	Traveling expensesdo	71.55 3.55
	18		Passenger transportation	3, 33
	19	Pennsylvania R. R. Co. Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co. Oregon Short Line R. R. Co. Sami, Fortier	do	6.00
	10	Pittsburg, Cincinnati, Chicago and St.	do	16.00
		Louis Rwy. Co.		
		Oregon Short Line R. R. Co	do	13.95
	20	Saml, Fortier	Salary	395.00
		J. C. Stevens	Salary dodo	35.00 75.00
		Clarence T. Johnston	Expenses	51.43
		The Denver Fire Clay Co	Metal, water colors, etc	9.70 2.00
		J. C. Stevens E. R. Morgan Clarence T. Johnston The Denver Fire Clay Co Jno. C. Parker A. E. Chandler	Metal, water colors, etc Copyholder	2.00
	25	A. E. Chandler	Traveling expenses	30.50
Mar.	. 3	Elwood Mead et al A. E. Chandler et al Edw. B. Voorhees	Salaries	$\begin{array}{c} 1.413.61 \\ 287.80 \end{array}$
mar.	. э	Edw B Voorbees	Report	200.00
		Wm. H. Dver	Doors, etc	11.50
		Fredk. A. Schmidt	Doors, etc Tracing linens, etc	10.55
	4	Clarence T. Johnston et al	Salaries	815. 20
	5	Rugh Reilly	Glass	3.80
	9	C. G. Elliott	Envelopes, etc Traveling expenses Lumber	5.03 48.50
	11	Church & Stephenson	Lumber	40.20
	12	A. R. Whitson	Salary	100.00
	14	Pullman Automatic Ventilation Co	Installing ventilators	10.00
		Clarence T. Johnston	Salary Installing ventilators Expenses Traveling expenses	16.25 39.09
	16	Edw. B. Voorhees. Wm. H. Dyer Fredk. A. Schmidt. Clarence T. Johnston et al Hugh Reilly R. Carter Ballantyne C. G. Elliott Church & Stephenson A. R. Whitson Pullman Automatic Ventilation Co Clarence T. Johnston Elwood Mead A. E. Chandler	do de la raveing expenses	39.09 25.25
	17	M Du Ponom	Dogle fong	25.00
	19	Rudolph, West & Co Woodward & Lothrop The Maurice Joyce Engraving Co W. H. Dyer Frank Bond	Locks	.90 3.25
		Woodward & Lothrop	Towels	
	21	The Maurice Joyce Engraving Co	Engraving Molding Trayeling expenses	48.00
	22	W.H. Dyer	Molding	. 60
	22	Richd T Elv	Traveling expenses	20. 25 9. 69
	31	Richd. T. Ely Elwood Mead et al	Salaries	1,318.66
		Total third quarter		10,525.73
Apr	. 1	A. E. Chandler et al Clarence T. Johnston et al Yawman & Erbe Manufacturing Co	Salaries	232, 50 887, 40
	2	Vaymen & Erba Manufacturing Ca	Cabinat	887.40 14.00
	3	C G Elliott	Cabinet Salary	14.00 155.00
	9	The Maurice Joyce Engraving Co	Engravings	43.00
	4	C.G. Elliott The Maurice Joyce Engraving Co Hiram Sapp	Engravings Rent	180.00
	6	Jno. C. Parker Houghton & Delano. Rudolph, West & Co A. R. Whitson	Tablets	4.32
	7	Houghton & Delano		3.64
	8	Kudomn, West & Co	Drawer pulls	1.85
	13	Hugh Reilly	Glace	100.00 1.52
		Burlington and Missouri River R. R. Co	Transportation	2.67
	14			
	16	C.G. Elliott	Photographic supplies Drawer pulls Salary Glass Transportation Traveling expenses	45. 57

# $Expenditures \ of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30,1903-{\rm Cont'd.}$

### IRRIGATION INVESTIGATIONS-Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
pr. 17	W. B. Moses & Sons Jas. N. Rupp The Manrice Joyce Engraving Co Southern Rwy. Co Northern Pacific Rwy. Co Wm. G. Davies Lee H. Patty E. M. Brown Washington Southern Rwy. Co Union Pacific R. R. Co Pennsylvania R. R. Co The Georgia R. R. Co The Georgia R. R. Co The S. A. Bristol Co The S. A. Bristol Co The Denver Photo Materials Co A. E. Chandler Clarence T. Johnston American Writing Machine Co O. V. P. Stout A. B. Hill O. W. Peterson E. R. Moore	Matting, etc	\$16.
	Jas. N. Rupp	Scrapbooks	5. 32.
18	The Maurice Joyce Engraving Co	Engraving	32.
10	Northern Pacific Rwy Co	do	53. 2.
	Wm. G. Davies	Traveling expenses	12.
	Lee H. Patty	do	12. 14.
	E. M. Brown	- do	14.
	Union Pacific P. P. Co	Passenger transportation	15. 36.
	Pennsylvania R. R. Co	do	10.
	The Georgia R. R. Co	do	9.
20	Chicago. Rock Island and Pacific Rwy. Co	do	22.
20	The S. A. Bristol Co	Cards	25. 14.
	A. E. Chandler	Traveling expenses	35.
- 23	Clarence T. Johnston	Expenses	33.
	American Writing Machine Co	Paper	9.
24	O. V. P. Stout	Expenses	32.
	O W Patarson	Traveling expenses	23. 12
	E. B. Moore	do Boat	12. 12.
28	Michigan Steel Boat Co.	Boat	39.
30	O. V.P. Stout A. B. Hill O. W. Peterson E. B. Moore Michigan Steel Boat Co Elwood Mead et al Harry B. Needham C. G. Elliott Arthur P. Stover Clarence T. Johnston et al do M. Du Perow	Salaries	1,030.
ay 4	Harry B. Needham	Salary do	98. 148.
	Arthur P Stover	do	82.
	Clarence T. Johnston et al	Salaries	908.
	do	Traveling expenses	173.
8	M. Du Perow	Cord, etc	2.
	M. Du Perow Harris & Shafer Co Adams Express Co United States Express Co	Salaries Traveling expenses Cord, etc Clock Transportation do	8.
	United States Express Co	do	
	do	do	1.
	do Postal Telegraph Cable Co A. R. Whitson J. M. Wilson	do do Service Salary do Traveling expenses	
9	A. R. Whitson	Salary	100. 150.
15	F R Crane	Traveling expenses	11.
10	J. M. Wilson F. R. Crane. C. E. Tart. L. B. Brainard Gustav E. Stechert United States Envelope Co Lemcke & Buechner Arthur P. Stover C. G. Elliott O. V. P. Stout W. P. Gregory H. G. Hotchkiss Elwood Mead do	do	24.
	L. B. Brainard	do	6.
	Gustav E. Stechert	Publications	3.
	Lameka & Buschner	Lournal etc	6. 21.
18	Arthur P. Stover	Traveling expenses	$\tilde{15}$ .
	C. G. Elliott	do	54.
	O. V. P. Stout	do	28. 25.
95	W.P. Gregory	do	20. 12.
25 29	Elwood Mead	do	247.
	do Elwood Mead et al	Salaries	133.
31	Elwood Mead et al	Salaries	1,055.
ine 2	C. G. Elliott	Salary	153. 100.
Э	Central of Georgia Rwy Co	Passenger transportation	2.
	L. G. Hardman Central of Georgia Rwy. Co. Atlantic Coast Line R. R. Co.	do	2. 31.
	E.R. Morgan	Traveling expenses	76.
5	E. R. Morgan W. & L. E. Gurley Jno. C. Parker Clarence T. Johnston et al Arthur P. Stover et al.	do	7.
6 8	Clarence T Johnston et al	Salaries	5. 989.
0	Arthur P. Stover et al.	do	332.
9	Funk & Wagnalls Co- Frank Adams	Dictionary	15.
10	Frank Adams	Traveling expenses	129.
11	H. R. Needham	Traveling expenses	27. 59.
12	R. R. Morgan H. B. Needham Clarence T. Johnston American Writing Machine Co	Salaries do Dictionary Traveling expenses Salary Traveling expenses Expenses Paper Salary Traveling expenses do	38.
13	American Writing Machine Co	Paper	18
15	A. R. Whitson	Salary	100.
16	Frank Adams Elwood Mead	do	100. 55. 10.
17	C. E. Tait	do	136.
	Walter B. Dunton	do	36.
	C. E. Tait. Walter B. Dunton Chas. B. Lewis Clarence T. Johnston E. L. Bristol	do do do Salary Expenses Books and cards. Shades Traveling expenses	100.
18	Clarence T. Johnston	Expenses	34.
19	E. L. Bristol  Manhattan Electric Supply Co.  O. V. P. Stout	Shades	46.
22	O. V. P. Stout	Traveling expenses	1. 80.
	Mannattan Electric Supply Co. O. V. P. Stout American Writing Machine Co. Western Union Telegraph Co. A. J. McClatchie J. E. Roadhouse	Letter paper Service Salary Traveling expenses	36.
	Wootown Union Folomonh Co	Service	7.
23 24	western omon relegraph co	0.1	30.

### IRRIGATION INVESTIGATIONS-Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
ane 24	C.G. Elliott Cleveland, Cincinnati, Chicago and St.	Traveling expenses	\$77.4 34.2
			10
	The Colorado and Southern Rwy. Co Lehigh Valley R. R. Co Pennsylvania R. R. Co Fort Worth and Denver City Rwy. Co The Atchison, Topeka and Santa Fe Rwy.	do	18. 4 21. 8
	Pennsylvania R. R. Co.	do	5.8
	Fort Worth and Denver City Rwy. Co	do	13.6
	The Atchison, Topeka and Santa Fe Rwy. Co.	do	60.9
		do	11.6
	do The Chesapeake and Ohio Rwy. Codo Burlington and Missouri River R. R. Co. Union Pacific R. R. Co. Houston and Texas Central R. R. Co Northern Pacific Rwy. Co Texas and New Orleans R. R. Co	do	17.0
	Rurlington and Missouri River R R Co	do	41.0
	Union Pacific R. R. Co.	do	27.
	Houston and Texas Central R. R. Co	do	2.1
	Northern Pacific Rwy. Co	do	9.1
	Illinois Central R. R. Co Chicago and Northwestern Rwy. Co Gulf, Colorado and Santa Fe Rwy. Co Saml. Fortier Clarence T. Johnston	do	95.5
25	Chicago and Northwestern Rwy. Co	do	12. 7. 95.
	Gulf, Colorado and Santa Fe Rwy. Co	Two malin or armanas	7.
	Clarence T. Johnston	Expenses	
	do	do	ō.
	E. Morrison Paper Co The Modern Machine Co.	Paper Register pens	1. 10.
		Traveling expenses	23.
	Fred A. Schmidt	Drawing paper	16.
26	Fred A. Schmidt Chas. S. Jenkins Pennsylvania R. R. Co	Map rack	50.
29 30	Elwood Mead et al	Traveling expenses Drawing paper Map rack Passenger transportation. Salaries	35. 1,035.
	Total fourth quarter		10,906.
	Supplemental.		
$\frac{1}{2}$	Wyckoff, Seamans & Benedict	Typewriter Salary	90.
2	Wyckoff, Seamans & Benedict E. B. Voorhees W. B. Gregory L. G. C. Mayer C. G. Elliott A. P. Stover et al C. T. Johnston et al The Maurice Joyce Engraving Co. A. R. Whitson Jas. Withycombe O. L. Waller	do	145. 225.
	L.G.C. Mayer	do	82. 148.
	C. G. Elliott	do	148.
	C. T. Johnston et al	do	583. 893.
7	The Maurice Joyce Engraving Co	Engravings	6.
10	A. R. Whitson	Salary	100.
	O. L. Waller	do	130. 765.
11 13	O. L. Waller Hiram Sapp F. E. Warren Mercantile Co		180. 10.
13	F. E. Warren Mercantile Co	Clocks, etc	10. 107.
	E. J. Pullman Samuel Fortier	Salary	765.
	F. A. Schmidt Geo. Walkinshaw W. C. Sturdevant W. F. Bartlett W. W. P. Blibrown 6. Con	Planameter	31.
15	Geo. Walkinshaw	Salary	46. 50.
	W. F. Bartlett	Traveling expenses	78.
16	Wm. Ballantyne & Son W. H. Veerhoff E. J. Pullman	Rent of rooms Clocks, etc Photographic supplies Salary Planameter Salary do Traveling expenses Journal Molding Plates	1. 2.
20	W.H. Veerhoff F. I. Pullman	Molding	2.
	Woodward & Lothrop	Plates Cooler	3. 3.
-01	E. J. Fullman Woodward & Lothrop Hamburg-American Line G. S. Walker J. P. Friez	Passenger transportation Desk support	138.
21	G. S. Walker	Water registers	9. 290.
	R. T. Ely	Water registers Salary Traveling expenses	250.
-02	R.T. Ely A.F. Johnston W.B. Dunton Appert Glass Co	Traveling expenses	14. 82.
22	W. B. Dunton	Cooley	82. 10.
23	E. L. Bristol		10. 19.
	E. L. Bristol J. E. Stinson		42.
27	M. A. Aldrich Fred Roediger Frank Adams J. E. Roadhouse	Salary	160.
28	Frank Adams	Traveling expenses	59. 101.
	J. E. Roadhouse	Traveling expensesdo	129.
	C. C. Falliott	do	85.
	S. Fortier C. T. Johnston Elwood Mead	Expenses	22. 50.
29	Elwood Mead	Traveling expenses	8.
ng. 4	R. C. Ballantyne F. E. Smith & Co	Expenses Traveling expenses Paper Apparatus	32.
	F.E. Smith & Co	Apparatus	297.
Ü	Holbrook. Merrill & Stetson A. E. Roedel	Films, etc	263. 14.

### IRRIGATION INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903. Aug. 5 14 15 17 19 22 25 27 28 Sept. 3 9 17 18	Supplemental—Continued.  The Denver Photo Materials Co. A. P. Stover O. V. P. Stout A. P. Stover The Geo. W. Knox Express Co. J. C. Pascoe W. & L. E. Gurley Dunham, Carrigan & Hayden Co Justiman Caire & Co. Geo. H. Fuller Desk Co. M. A. Seed Dry Plate Co. Wm. F. Bartlett Arthur P. Stover Clarence T. Johnston W. B. Gregory W. & L. E. Gurley Morton A. Aldrich C. T. Johnston E. R. Morgan L. G. C. Mayer Western Union Telegraph Co.	Plates, etc Traveling expenses Expenses Traveling expenses do Registers Traveling expenses Expenses Traveling expenses do do	\$9. 66 49. 33 51. 33 69. 05 1. 97 25. 00 240. 20 308. 55 7. 56 20. 00 94. 12 16. 55 114. 33 66. 31 290. 25 14. 55 48. 65 8. 83
19 19 Oct. 10 19 31	Pennsylvania R. R. Co Santa Fe, Prescott and Phoenix Rwy. do Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co. The Colorado and Southern Rwy. Co. do Northern Pacific Rwy. Co. do Union Pacific R. R. Co.	Passenger transportation do d	16. 55 27. 86 21. 00 21. 10 31. 30 19. 17 48. 33 103, 77 31. 76 101. 22 2. 22 20. 33 100. 33
	Total		8,877.59
-	RECAPITULA	TION.	
First qu	arter		\$9,713.1

First quarter Second quarter	\$9,713.16
Second quarter	12, 189, 27
Third quarter	10,525.73
Fourth quarter	10,906.73
Supplemental	8,877.59

# Total 52, 212. 48

### SETTLED BY TREASURY.

Date.	Name.	Nature of payment.	Total.
1902. Dec. 9	The Public Printer The Atchison, Topeka and Santa Fe Rwy. Co.	Printing bulletin	\$179.96 55.90
Jan. 24	Southern Pacific Co. (Pacific System)do	do	27, 75 35, 95
Feb. 5 Mar. 4	The Public Printerdo	Printing bulletins	99. 16 2, 486. 97 43. 09
Apr. 13	Southern Pacific Co. (Pacific System) The Public Printer Southern Pacific Co. (Pacific System)	Passenger transportation	5, 90 90, 00 39, 55
May 7 June 23	The Public Printer Southern Pacific Co. (Pacific System)	Printing reports	1,275.50 $5.90$
July 14	The Public Printer	do	527, 21 2, 904, 34
Sept. 21 Nov. 10	Southern Pacific Co. (Pacific System)dodo	do	105.45 22.05 20.00
1101.10	Total	-	7,924.68

### PUBLIC-ROAD INQUIRIES.

Date.	Name.	Nature of payment.	Total.
1902.			
July 16	M. O. Eldridge Goodridge Bros F. H. Dodge A. C. Davis Camphell & Edens	Traveling expenses	\$24.8
7~	Goodridge Bros	Photos	8.1 1.0
17	A C Davis	Motor foundation	40 (
	A. C. Davis Campbell & Edens M. O. Eldridge Martin Dodge Martin Dodge et al Chas. T. Harrison R. W. Richardson Jas. W. Abbott Geo, W. King Edgar W. Sheets R. W. Richardson Chas. T. Harrison	Photos	7. ( 37. 7 120. 8
25	M. O. Eldridge	Traveling expenses	37.7
01	Martin Dodge	do	120.3
31	Martin Dodge et al	Salaries	1, 169, 1 100, 0
Aug. 1	R W Richardson	do	176.0
- 1	Jas. W. Abbott	do	200.0
5	Geo. W. King	do	27 30. (
	Edgar W. Sheets	do	30.0
	R. W. Richardson	Traveling expenses	81.4
	Chas, T. Harrison Jas, W. Abbott S. D. Willard J. F. Brown	do	68. 7 82. 1
	S. D. Willard	do Photos	6. (
8	J. F. Brown	Salary	184. 0
13	M. O. Eldridge	Traveling expenses	46.6
16	A. L. Murray	Lantern slides	5. 2 2. (
19	W. L. Spoon	Salary	100.0
19	Julius H. Dodge	do	100.0
	J. F. Brown M. O. Eldridge A. L. Murray E. E. Faville W. L. Spoon Julius H. Dodge T. H. Musson Houghton & Delano Julius H. Dodge	do	78.0
	Houghton & Delano	Printing paper	1.8
20	Julius H. Dodge Rudolph, West & Co Martin Dodge Edgar W. Sheets Geo. W. King Jno. Boston Chas. T. Harrison Martin Dodge et al T. H. Musson Julius H. Dodge Jno. Boston L F. Brown	Traveling expenses  Door check  Traveling expenses	49.
20	Montin Dodgo	Door check	2. 1 104. 8
20 27 30	Edgar W Sheets	Salary	78.0
	Geo. W. King	do	50.0
	Jno. Boston	do	69 6
	Chas. T. Harrison	do	100.0
omt e	Martin Dodge et al	Salaries	1, 289.5 78.6
ept. 6	Julius H Dodge	do	100.0
	Jno. Boston	do	38.7
	J. F. Brown	do	176.0
	W.L.Spoon	do	100.0
9 10	W. L. Spoon M. O. Eldridge Jas. W. Abbott Jas. S. Topham R. W. Richardson	Traveling expenses	66.2
10	Jas. W. Abbott Jas. S. Topham R. W. Richardson	Stereonticon outfit	208.0 8.5
12 17	B. W. Richardson	Traveling expenses	85.6
	do	Salary	208. (
	Jas. W. Abbott	Traveling expenses	111.7
	Julius H. Dodge	do	44.0
23	G Russell Taggart	do	65.7 24.8
100	D. G. Haire	do	35. ]
24	D. G. Haire W. B. Moses & Sons D. Bond	Oilcloths Photos	2.0
	D. Bond	Photos	5. (
25	lac B Lambia	Padlock	. 7
26	Julius H. Dodge Pennsylvania R. R. Co Martin Dodge et al	Expenses  Passangou transportation	11.
30	Martin Dodge et al	Salariae	17. 0 1, 153. 1
90	Total first quarter	value 103	6, 974.
ct. 1	0 777 771	Salary	50.0
	Geo, W. King W. L. Spoon Geo, W. King Edgar W. Sheets Chas, T. Harrison M. O. Eldridge Edgar W. Sheets M. O. Eldridge Jno. Boston Julius H. Dodge Jay F. Brown T. H. Musson	do	100.0
	Geo. W. King	Traveling expenses	25. ( 75. (
	Edgar W. Sheets	Salary	75. (
2	M O Fldvidge	Traveling expenses	100.0 35.0
$\tilde{6}$	Edgar W. Sheets	do	49.8
9	M. O. Eldridge	do	21.0
10	Jno. Boston	Salary	75. C
	Junus H. Dodge	do	100.0
	T H Musson	00 do	192. 0 78. 0
16	Wm. Kendrick Hatt	do	48.9
	Julius H. Dodge	Traveling expenses	34. 9
4.0	Jas. W. Abbott	Salary	34. 2 208. 0
18	B. W. Richardson	do	208.0
	3 -	Transfeling ormonogo	68.
21	Too W Abbett	Travening expenses	4.4
	Jas. W. Abbott	do	44.
21	do Jas, W. Abbott	do	44.
	Jay F Brown T. H. Musson Wm. Kendrick Hatt Julius H. Dodge Jas. W. Abbott R. W. Richardson do Jas. W. Abbott Chas. T. Harrison Martin Dodge et al Chas. T. Harrison Edgar W. Sheets Geo. W. King	- do	44.

# $Expenditures \ of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30, 1903-{\tt Cont'd}.$

# PUBLIC-ROAD INQUIRIES—Continued.

Date.	Name.	Nature of payment.	Total
1902.			
Vov. 3	Jay F. Brown	Traveling expenses	\$14.
4	M.O. Eldridge	do	32.
6	Julius H. Dodge		100.
	Jno. Boston		55.
	Jay F. Brown W. L. Spoon E. W. Sheets G. Russell Taggart	do	200.
	W.L. Spoon	do	100.
	G Puscell Taggent	Traveling expenses	31.
8	R. W. Richardson	Solowy	136.
0	Julius H. Dodge	Salary	192
17	R W Richardson	Traveling expensesdo	35. 111.
1.	R. W. Richardson Chas. T. Harrison Jas. W. Abbott	do	63
	Jas. W. Abbott	do	63. 90.
	R. L. Munce	Photos	3.
	T. H. Musson	Salary	81.
	R. L. Munce T. H. Musson Jas. W. Abbott The Pennsylvania R. R. Co	do	216.
18	The Pennsylvania R. R. Co	Passenger transportation	11.
			. 8.
	do Edgar W. Sheets Martin Dodge et al	do	11.
28	Edgar W. Sheets	Traveling expenses Salaries	18.
29	Martin Dodge et al	Salaries	1.264.
ec. 1	W. K. Hatt	Salary	46.
	Martin Bodge W. K. Hatt Martin Dodge Chas. T. Harrison Edgar W. Sheets Geo. Wallace King American Writing Machine Co	Traveling expenses	46. 316
2	Chas. T. Harrison	Salary	100
0	Edgar W. Sheets	do	72 50
3	Geo. Wallace King	do	50
4	American Writing Machine Co	Repairing typewriter	4
5	Martin Dodge W. L. Spoon Jno. Boston Julius H. Dodge Chas. T. Harrison R. W. Richardson	Traveling expenses	49
8	W.L.Spoon	Salary	100 27 100
	Julius H. Dodas	do	100
	Chas T Harrison	Tue voling owners	100
	P. W. Piebardson	do de la compenses	18
	do	Salarydo	89 120
11	do Jay F. Brown Chas. T. Harrison	do	160
12	Chas T Harrison	Travelingernenses	41
14	M.O. Eldridge	do	99
	do	do	28
18	Jas. W. Abbott	do	22 28 77 192
	do	Salary	192
19	T. H. Musson	dő	72
	Jno. Boston The Pennsylvania R. R. Co. Baltimore and Ohio R. R. Co.	do	14
	The Pennsylvania R. R. Co	Passenger transportation	10
	Baltimore and Ohio R. R. Co	do	16
	do	do ·	11
22 27	T. H. Musson	Salary Traveling expenses	39
	Julius H. Dodge	Traveling expenses	54
	D. G. Haire	Salary	24
	do	Salary	84
30	W.K. Hatt Martin Dodge et al	Salaries	84
	Martin Dodge et al	Salaries	1,375
	Wotel second swenten		0.969
	Total second quarter		9,263
1903.			
an. 3	Chas. T. Harrison	Salary	100
·11. 0	G Wallace King	do	40
	G. Wallace King W. L. Spoon	do	100
5	Edgar W. Sheets	do	48
	Jay F. Brown	do	96
6	Edgar W. Sheets. Jay F. Brown Chas. T. Harrison M. O. Eldridge D. W. Beldedden	Traveling expenses	48
8	M.O. Eldridge	do	25
	R. W. RICHAFUSOH	Datary	104
12	Martin Dodge	Traveling expenses	40
15	Martin Dodge Julius H. Dodge	Salarydo	100
	J. A. Holmes	do	200
	R. W. Richardson	Traveling expenses	45
	Edgar W. Sheets	do	18
17	R. W. Richardson Edgar W. Sheets Chas. T. Harrison C. F. Ray D. Frank Parker	do	8
19	C. F. Kay	Photos	8
21	C. F. Ray D. Frank Parker The Chesapeake and Potomac Telephone Co	Typewriter paper, etc	14
22	The Chesapeake and Potomac Telephone Co	Traveling expenses	1
26 27	Julius H. Dodge Northern Pacific Rwy. Co	Daggarden transportation	40
	Northern Pacific Kwy. Co	Passenger transportation	5
	Pennsylvania Co Baltimore and Ohio R. R. Co	do	11
21	Louisville and Mashville P. P. Co	do	18
31	Louisville and Nashville R. R. Co Martin Dodge et al	Solorios	$12 \\ 1,521$
	mar our Douge et al	Colony	100
	Chas T Harrison		
eb. 2	Chas. T. Harrison W. L. Spoon	do	100

# Expenditures of Department of Agriculture for year ending June 30, 1903—Cont'd. PUBLIC-ROAD INQUIRIES—Continued.

Da1	te.	Name.	Nature of payment.	Total
190	3.			
eb.	9	United States Express Co	Transportation	\$2.
		Jas. S. Topham	Repairing case	1.
	11	Martin Dodge	Traveling expenses	56. 60.
	12	Jas. S. Topnam Martin Dodge The Murray Lyceum Bureau Adams Express Co Joseph A. Holmes Jay F. Brown Baltimore and Ohio R. R. Co Pennsylvania R. R. Co	Repairing case Traveling expenses Lantern slides Transportation	1.
	14	Joseph A Holmes	Ralsry do Passenger transportation	72.
	16	Jay F. Brown	dodo	88.
	19	Baltimore and Ohio R. R. Co	Passenger transportation	6.
		Pennsylvania R. R. Co		10.
	2.0	Pennsylvania Co	Traveling expenses	11.
	21	Pennsylvania Co Martin Dodge Martin Dodge et al M, O. Eldridge Chas, T. Harrison.	Traveling expenses	67.
r.	28 2	M O Fldridge	Traveling expenses	1, 379. 75.
1.	ã	Chas T Harrison	Salary	100.
	0	W.L.Spoon	do	100.
	5	W. L. Spoon The Geo. W. Knox Express Co. Julius H. Dodge Jay F. Brown Julius H. Dodge do do Joy W. Abbett	Transportation	
	6	Julius H. Dodge	Salary	100.
		Jay F. Brown	do	64.
	10	Julius H. Dodge	Traveling expenses	32.
	12 14	00	Salary	100. 23.
	14	do Jas. W. Abbott Martin Dodge	Traveling expenses Salaries Traveling expenses Salary do Transportation Salary do Traveling expenses Salary Traveling expenses do Co	25. 68.
		Martin Dodge	do	92
	20	Library Bureau	Folders, etc	92. 2.
	26	Library Bureau The Chesapeake and Potomac Telephone	Folders, etc Services, first quarter	6.
		· Co.		
	01	do Martin Dodge et al	Services, second quarter	6.
	31		Salaries	1,513.
		Total third quarter		6,935.
ľ.	1	M.O. Eldridge R. W. Richardson Chas. T. Harrison B. P. Murray	Traveling expenses	95.
	2	R. W. Richardson	Taveling expenses Salary  Coloring slides Salary Traveling expenses	9.
		Chas. T. Harrison	do	100.
		B. P. Murray	Coloring slides	34. 100.
	6	W.L. Spoon Martin Dodge	Traveling expenses	8.
	8	J H Dodge	Salary	100.
		M.O. Eldridge	Traveling expenses	22
		Jay F. Brown	Salary Traveling expenses Salary Passenger transportation	22. 88.
	18	Baltimore and Ohio R. R. Co	Passenger transportation	11.
	0.0	do	do	11.
	20	Jas. S. Topham	Leather case Traveling expenses	9. 17.
	30	M. U. Eldridge	Traveling expenses	1,252.
y	6	Chas T Harrison	Salarre	100
J	8	B. P. Murray. W. L. Spoon Martin Dodge J. H. Dodge J. H. Dodge M. O. Eldridge Jay F. Brown Baltimore and Ohio R. R. Co do Jas. S. Topham M. O. Eldridge Martin Dodge et al Chas. T. Harrison Adams Express Co do	Salaries Salary Transportation	100.
	-	do	do	
		United States Express Co	do	6.
		Postal Telegraph Cable Co	Service	
	9	J. B. Killebrew	Salary	75.
		Jay F. Brown	do	120.
		do United States Express Co Postal Telegraph Cable Co J. B. Killebrew Jay F. Brown J. H. Dodge W. L. Spoon	do do Service Salary do Sexueling expenses do Salary	100. 100.
			Traveling expenses	45.
	15	M. O. Eldridge	do	135.
	16		Salary Typewriter stands Salary Traveling expenses	30.
	18	Library Dureau	Typewriter stands	10.
		D. G. Haire Martin Dodge	Salary	66.
	22 25	Martin Dodge	Traveling expenses	133.
	25	D. G. Haire	00	12.
	26 31	D.G. Haire Chas. T. Harrison L. W. Page et al M. O. Eldridge E. W. Shoots	do Salaries Traveling expenses	88.
ıe	31 2 1	M O Eldridge	Traveling expenses	770. 46.
10	1	E. W. Sheets	Salary	63.
		Chas. T. Harrison	do	100.
	3	Central R. R. Co. of New Jersey	Passenger transportation	18.
	9	Wyckoff, Seamans & Benedict	Adjusting typewriter	
		The Chesapeake and Potomac Telephone Co	Service	6. 4.
	10	M. O. Eldridge E. W. Sheets Chas. T. Harrison Central R. R. Co. of New Jersey Wyckoff, Seamans & Benedict The Chesapeake and Potomac Telephone Co Bloomfield Longstreet J. H. Eldridge W. B. Moses & Sonsd° J. H. Dodge	Passenger transportation Adjusting typewriter Service Traveling expenses	4.
	11	J. H. Eldridge	Desk	8.
	12	W. B. Moses & Sons	Desk	8. 34. 21.
	13	I H Dodge	Door units, rivets, etc Salary Mimeograph Scissors	100.
	10	D. F. Parker	Wimeograph	50.
		J. H. Dodge D. F. Parker Barber & Ross	Scissors	90.
	15			80.
		A D Anduomo	do Traveling expenses Envelopes Traveling expenses	60.
	16	Martin Dodge United States Envelope Co J. H. Dodge	Traveling expenses	69.
	17	United States Envelope Co	Envelopes	42.
		1 5 100000	Traveling expenses	41.

# $Expenditures\ of\ Department\ of\ Agriculture\ for\ year\ ending\ June\ 30,1903-\text{Cont'd}.$ PUBLIC-ROAD INQUIRIES-Continued.

Date.	· Name.	Nature of payment.	Total.
1903.			
Tune 17	Rowe Coal Co	Rent of sprinkling cart	\$20.0
23	Library Bureau	Cards	3.0
	W. B. Moses & Sons	Letter-press stand	8.0
24	M. O. Eldridge Chicago Milwayloo and St Dayl Dwy Co	Traveling expenses	34.
24	St Louis and San Francisco R R Co.	rassenger transportation	9.5 25.0
	Illinois Central R. R. Co	Passenger transportation	7.8
	Rowe Coal Co. Library Bureau W. B. Moses & Sons. M. O. Eldridge Chicago, Milwaukee and St. Paul Rwy. Co. St. Louis and San Francisco R. R. Co. Illinois Central R. R. Co. The Missouri Pacific Rwy. Co. The Chicago, Burlington and Quincy R. R.	do	4.
	Illinois Central R. R. Co  The Missouri Pacific Rwy. Co  The Chicago, Burlington and Quincy R. R. Co.	do	7.
		do	23.
25	Western Union Telegraph Co	Service	21.0
	The Chesapeake and Potomac Telephone Co.	do	**
26	St. Louis and San Francisco R. R. Co.	Passenger transportation	12.3
	Baltimore and Ohio R. R. Co- Pennsylvania R. R. Co- United States Envelope Co- L. W. Page et al.	do	22.0
29	Pennsylvania R. R. Co	do	11.3
20	United States Envelope Co	Envelopes	25.
30	L. W. Lage et al	DataTes	745.
	Total fourth quarter		5,382.
1903.	Supplemental.		
uly 2	J. H. Brigham	Traveling expenses	7.4
9	B. Longstreet	Salary	78.
	A. P. Andrew	do	78.
4.0	D. G. Haire R. W. Richardson	Traveling expenses	78.
10 13	R. W. Richardson	Traveling expenses	46.
16	D. G. Haire Chicago, Rock Island and Pacific Rwy Co	Passenger transportation	3. 15.
22	J. H. Dodge	Traveling expenses	43.
23	J. A. Holmes	Salary	. 228.
25	J. F. Brown	do	32.
28	E. W. Sheets	Traveling expenses	20.
29	L. M. Eagan The Chesapeake and Potomac Telephone	Expenses Service	150. 6.
	Co.		
30	J. F. Brown	Traveling expenses	5.
ug. 4	M. Du Perrow	Fan	14.
$\frac{6}{15}$	L. W. Page The Chesapeake and Potomac Telephone	Traveling expenses	13.
10	Co.	Service	
4.0	do	Moving telephone	3.
19	Stark Tool Co.	Lathe, etc.	358.
ept. 3	C. T. Harrison J. B. Lambie	Traveling expenses	90. 8.
10	Mackall Bros	Crucible	31.
18	Mackall Bros Western Union Telegraph Co Postal Telegraph Cable Co Illinois Central R. R. Co Baltimore and Ohio R. R. Co	Telegraph service	14.
	Postal Telegraph Cable Co	do	2. 7.
19	Illinois Central R. R. Co.	Passenger transportation	7.
21	W. B. Moses & Sons	do	19. 21.
et. 10	Postal Telegraph Cable Co	Telegraph service	1.
00. 10	Postal Telegraph Cable Co	Bookcase Telegraph service Transportation	5.
	Total		1,401.
	DECA DIETH A	TION	
irst ans	RECAPITULA	.11014.	\$6,974.
econd o	quarter		9,263.
hird qu	iarter		6, 935.
ourth q	uarter		5,382.
upplem	ental		1,401.
			29, 956.

#### FOREIGN MARKET INVESTIGATIONS.

Date.	Name.	Nature of payment.	Total.
1902. July 12 31 Aug. 4 12 26 30	Frank B. Rutter B. E. Powell et al E. S. Newman Frank H. Hitchcock W. B. Moses & Sons B. E. Powell et al	Traveling expenses Salaries Ribbon, etc Traveling expenses Bookcase Salaries	\$18.27 250.40 7.50 37.35 17.25 266.70

#### FOREIGN MARKET INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1902.			
Sept.24	Jno. C. Parker	Pencil pointer	\$3.5
	do F. M. Dearing et al	Envelopes	35.0
30	F. M. Dearing et al	Salaries	389.6
	Total first quarter		1,025.5
10	W. D. M	T :1	9.0
et. 10	W.B. Moses & Sons	Linoleum	$\frac{2.6}{1.7}$
31	F M Dearing et al	Cylinder, etcSalaries	350. 2
Vov. 29	W. B. Moses & Sons Wyckoff, Seamans & Benedict F. M. Dearing et al E. S. Newman F. M. Dearing et al	Paper	6.0
	F. M. Dearing et al	Paper Salaries	378.2
ec. 2	F. Sharp	File, etc. Traveling expenses	4.1
4 18	American Cycle Manufacturing Co	Renaire bievele	223. 1 6. 2
31	F. Sharp Frank H. Hitchcock American Cycle Manufacturing Co F. M. Dearing et al	Repairs, bicycle Salaries	384.9
			1 0 0 0
1903.	Total second quarter		1,357.2
an. 5	Lamb & Tilden	Stamps	9.3
13	Wyckoff, Seamans & Benedict	Stamps Typewriter, etc. Salaries	90.0
31	Lamb & Tilden. Wyckoff, Seamans & Benedict F. M. Dearing et al Jno. C. Parker Frank H. Hitchcock.	Salaries	398. 4
'eb. 2	Jno. C. Parker	Fountain pens Traveling expenses Knives for pencil pointer	10.9 101.7 1.3
20	Jno. C. Parker		101.7
25	M. Du Perow	Card, etc.	6.0
28	M. Du Perow F. M. Dearing et al The Chesapeake and Potomac Telephone Co	Card, etc	383. 2
Iar. 5	The Chesapeake and Potomac Telephone Co		6. 2 6. 2
11	M. Du Perow	Shados	6. 2 2. 4
11	National Electrical Supply Co	Brass bases	9. 7
	National Electrical Supply Codo	Supplies	8.6
31	F. M. Dearing et al	Shades Brass bases Supplies Salaries	398.4
	Total third quarter		1,432.6
pr. 2	Pullman Automatic Ventilator Co	Ventilator	40.0
ipi. A	Grant Carpenter	Repairs to arithmometer	28.0
	Grant Carpenter E. S. Newman Jno. C. Parker Jas. B. Lambie	Ventilator Repairs to arithmometer	1.5
3	Jno. C. Parker	Paper	50.0
11 14		Excelsion	6.0
11	Harris & Shafer Co	Clock	8.4
30	Harris & Shafer Co F. M. Dearing et al Wyckoff, Seamans & Benedict Fred A. Schmidt	Salaries	516.8
Iay 16	Wyckoff, Seamans & Benedict	Repairing typewriter	14.5
26	W H Lowdormilk	Repairing arithmometer	3.0 4.5
29	E. Morrison Paper Co	Wranning paner	4.2
	W. H. Lowdermilk E. Morrison Paper Co F. M. Dearing et al	Salaries	543. 0
une 6	Jno. C. Parker	Fountain pen, etc	17.0
12 17	Wolf Bros	Clock Salaries Repairing typewriter Repairing arithmometer Book Wrapping paper Salaries Fountain pen, etc Paper and envelopes Envelopes	4. 9. 2. 3
23	W. B. Moses & Sons	Chairs etc	124.4
	Western Union Telegraph Co	Service	2.9
25	The Maurice Joyce Engraving Co	Facsimile stamp	1.0
30	F. M. Dearing et al. Jno. C. Parker R. Carter Ballantyne Wolf Bros W. B. Moses & Sons Western Union Telegraph Co The Maurice Joyce Engraving Co United States Envelope Co F. M. Dearing et al.	Service Facsimile stamp Envelopes Salaries	45.86 538.56
50		-	
	Total fourth quarter		1,957.8
	Supplemental.		
uly 16	E.S. Newman	Adding-machine paper	18.0
20	Library Bureau	Cards, etc	199.8
	J. N. Rupp Chadwick Copying Book Co	Conving books	27.50 11.0
24	J. C. Parker	Pencils. etc.	17.8
ug. 4	J. C. Parker R. C. Ballantyne Western Union Telegraph Co	Envelopes and paper	89. 13
ept. 18	Western Union Telegraph Co	Cards, etc Paper Copying books Pencils, etc Envelopes and paper Telegraph service	1.6
	Total		365.0
	RECAPITULA	TION	
irst an	arter	TION,	\$1,025,5
econd c	arter quarter larter quarter ental		\$1,025.5 $1,357.2$
			1,432.6
mira qu	larter		1, 957. 8

 $Expenditures of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1903-{\tt Cont'd}.$ 

#### SILK INVESTIGATIONS.

Date.	Name.	Nature of payment.	Total.
1902.		A Latin	
Aug. 25 Sept. 6	Henrietta A. Kellydo	Salary	\$77.42 150.00
сери о	Total first quarter		227.42
Oct. 4	The state of the s		150.00
	Henrietta A. Kelly	Salary Traveling expenses do do do	35. 77 12. 35
9 21	do Thos. A. Keleher L. O. Howard	do	12.35 339.19
Nov. 6	do Henrietta A. Kelly do	do Salary Traveling expenses	10.05 $150.00$
22	do	Traveling expenses	2.50
Dec. 8 20	L. O. Howard	Salary Traveling expenses	150, 00 26, 73
	Total second quarter	9. 1	876.59
1903. Jan. 5		The relie of extremes	48, 52
13	Geo. W. Carver Elizabeth Walter	Traveling expenses	15.00
15	Henrietta A. Kelly do Antonin Fabre	Traveling expenses Salary Silkworm eggs	25.35 $150.00$
177	Antonin Fabre	Silkworm eggs	38.60
Feb. 4	A. Radaelli & Sons Gerald McCarthy	Cocoons	$135.10 \\ 5.25$
9	Gerald McCarthy Henrietta A. Kelly do	Traveling expenses Salary Salaries	49.50 150.00
28 Mar. 6	R.S. Clifton et al	Salaries	280.00
20	Henrietta A. Kelly Wm. Brough R. S. Clifton et al	Salary Die and tin boxes	150.00 $70.00$
31	R. S. Clifton et al	Salaries	310.00
	Total third quarter		1,427.32
Apr. 2	L.O. Howard Wm. Brough	Traveling expenses	42, 88 25, 00
4		Traveling expenses	38.95
16 17	Western Union Telegraph Co	Tin boxes. Traveling expenses Salary Service Boxes	$150.00 \\ 4.19$
18	R. S. Clitton Henrietta A. Kelly Western Union Telegraph Co The Washington Woodworking Co R. S. Clifton Louis B. Magid R. S. Clifton et al Henrietta A. Kelly	Boxes Traveling expenses	46.88 23.00
28	Louis B. Magid	Silk-worm eggs	24.00
May 4	R. S. Clitton et al Henrietta A. Kelly The Washington Woodworking Co Postal Telegraph-Cable Co Louis B. Magid I. P. Roosa M. J. Berthand Fils M. Du Perow	Salaries Salary Racks	332, 70 150, 00
8	The Washington Woodworking Co	Racks Service	. 48 1. 71
15 18	Louis B. Magid	Silk Expenses	4.80 126.90
26	M. J. Berthand Fils	2 silk reels	579.00
29 31	M. Du Perow R. S. Clifton et al Southern Rwy. Co	Silk cord, etc	2.78 404.83
June 3	Southern Rwy. Codo	2 silk reels Silk cord, etc Salaries Passenger transportation	17.15 17.50
	The Western Rwy. of Alabama	do	9. 16 3. 10
6 9	The Western Rwy. of Alabama T. A. Keleher The Washington Woodworking Co	Boxes	28, 13
10	Rosa Garlati Camillo Garlati Hoppiette A Kelly	Salary	25.00 35.00
17	Henrietta A. Kelly Ingegnoli Bros	Mullionny theory	150.00
17 19	The Okonite Co. (Limited)	do Traveling expenses Boxes Salary do do Mulberry trees Wire	4.47 1.25
22 23	The Okonite Co. (Limited) Houghton & Delano C. M. Woolf & Co	Primer	19.20 1.25
25	Mackall Bros	Carbon Boxes	3. 20 42. 90
	Mackall Bros The Washington Woodworking Co C. M. Woolf & Co	Primer	1, 25
30	Rosa Garlati	Salary do Salaries	150.00 25.00
	R. S. Clifton et al	Salaries	804.20
	Total fourth quarter		3,343.38
1903. July 3	Supplemental.	Sood and trees	89. 75
July 3	A. Hughes Camillo Garlati	Seed and trees	35.00
	H. A. Kelly Rosa Garlati	Selary Traveling expenses  do  Dip hoves	43.35 45.20
7 13	H. A. Kelly Rosa Garlati R. S. Cliffon Wm. Brough	Tin boxes	44.90 50,00
	A. N. Candell F. W. Bolgiano & Co		82.40
20	F. W. Bolgiano & Co	Buriap bags	, 96

# Expenditures of Department of Agriculture for year ending June 30, 1903—Cont'd SILK INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total,
1903. July 20 21 Aug. 4 15 17 28 Sept. 9 Oct. 10 12	Supplemental—Continued.  Mackall Bros C. L. Marlatt Chas, R. Edmonston The Geo, W. Knox Express Co The Randolph Paper Box Co Eugenie Tortell H. A. Kelly Postal Telegraph Cable Co do S. Kann Sons & Co John B. Espey John C. Covert	Baskets Transportation Boxes Traveling expenses do Telegraph service do Bobbinet, etc Ladders, etc	

#### RECAPITULATION:

First quarter	8227.42
Second quarter	
Third quarter	
Fourth quarter	3, 343, 38
Supplemental	1,237.13
•	

Total 7,111.84

#### VEGETABLE PATHOLOGICAL INVESTIGATIONS.

Date.	Name.	Nature of payment.	Total.
1902.			
July 23	Wyckoff, Seamans & Benedict M. A. Carleton C. O. Townsend	Typewriter	\$92, 25
25	M. A. Carleton	Traveling expenses	16.55
	C.O. Townsend	do	25.59
26	M. Du Perow	Tubing, etc	5.76
	Washington Railway and Electric Co	Car tickets	2.00
28	E. Morrison Paper Co	Tags	16.35
31	E. F. Smith et al		3, 278, 68
Aug. 1	Houghton & Delano		49.55
	Wyckoff, Seamans & Benedict	Ribbons	1.38
	H. von Schrenk	Salary	210.60
	P. H. Dorsett	do	189.55
	Geo. G. Hedgcock	do	80.90
	Mark B. Lacy	do	50.50
	Perley Spaulding A. W. Edson Thos. Cook & Son H. C. Henrickson	do	40.40
4	A. W. Edson	do	40,00 15,00
4 5	Thos. Cook & Son	Passenger transportation	
9	H. C. Henrickson	Salary	50.50 40.00
	F. R. Holtzman A. J. Meyer	do	50.00
	Andrew M. Soule	do	25.30
	Alfred Atkinson	do	
6	S. M. Tracy		50.00
0	Leslie A. Fitz	do	50.00
	O. M. Vance	do	40.00
	Perley Spaulding	Traveling expenses	49.59
7	Perley Spaulding Newton B. Pierce	Salary	210.60
9	C.P. Hartley B. M. Duggar H. J. Webber	Expenses	4, 35
11	B. M. Duggar	Traveling expenses	13, 00
	H.J. Webber	do	63, 35
	J. L. Sheldon	Salary	25, 30
	C. T. Rumbold	do	25.00
12	C. L. Shear	Traveling expenses	14.27
	M. Du Perow	Fans	159, 90
	Wyckoff, Seamans & Benedict	Typewriter	92, 25
	Church & Stephenson	Shelving	140.00
14	T. R. Robinson	Expenses	10.98
	C.P. Hartley	Traveling expenses	89.41
	do	Expenses	8.96
	H. von Schrenk	do	139.21
	dodo	Traveling expenses	65.00
	Geo. G. Hedgcock	Expenses	2.78
15	The Folmer & Schwing Manufacturing Co	Traveling expenses	30.60
19	Ches Lortz & Schwing Manufacturing Co.	Tripod	11.60
	Chas. Lentz & Sons. Whitall Tatum Co	Tubou etc	10.35 46.26

Date.	Name.	Nature of payment.	Tota
1902.			
Aug. 15	Geo. T. Moore Walter T. Swingle	Traveling expenses	\$14
16	Walter T. Swingle	Salary	189
10	Peter H. Rolfs Leslie A. Fitz	do	168
18	Leslie A. Fitz	Expenses	15
	Peter H. Rolfs Richmond, Fredericksburg and Potomac R B Co	Passenger transportation	18
	R. R. Co.	rassenger transportation	
	Southern Rwy. Co.	do	28
			5
19	Chris. Christensen American Writing Machine Co- Rudolph, West & Co	Salary	40
20	Rudolph West & Co	Typewriter paper Casseroles, etc Photo supplies	27 56
26	Houghton & Delano	Photo sumplies	- 38
	Washington Gaslight Co.	Gas	
	United States Electric Lighting Co	Gas Current	12
	Rudolph, West & Co Houghton & Delano Washington Gaslight Co United States Electric Lighting Co do Z. D. Gilman J. T. Walker Sons Mackall Bros W. B. Moses & Sons Parley Spanding	do Laboratory supplies Lime	
	Z. D. Gilman	Laboratory supplies	88
	Mackall Rros	Chomicals	8
	W. B. Moses & Sons	Chemicals Chair	. 4
30	Perley Spaulding	Salary	40
	Jno. S. Côle	do	50
	Perley Spaulding Jno. S. Cole Alfred Atkinson Mark B. Lacey	do	50
	Mark B. Lacey	do	50
	Leslie A. Fitz F. W. Faurot P. H. Dorsett H. von Schrenk Newton B. Pierce	do	50 120
	P. H. Dorsett	do	189
	H. von Schrenk	do	210
	Newton B. Pierce	Salaries	210
	E. F. Smith et al.	Salaries	3,413
ept. 3	Newton B. Pierce E. F. Smith et al A. J. Meyer G. G. Hedgcock L. M. Rumsey Manufacturing Co. Scarritt Comstock Furniture Co. Henry Heil Chemical Co. Whitall Tatum Co.	Salary do	50
	L. M. Rumsey Manufacturing Co.	dő Filter Refrigerator Supplies Pipettes	80
	Scarritt Comstock Furniture Co	Refrigerator	37
	Henry Heil Chemical Co.	Supplies	37 47
	Whitall Tatum Co	Pipettes	23
~	Whitall Tatum Cododo E. Morrison Paper Co Vanghan's Seed Store W. A. Orton R. Carter Ballantyne F. R. Holzmann S. M. Tracy Chris, Christensen Jno L. Sheldon	Jars, etc	2
5	E. Morrison Paper Co	Envelopes	10
6	W A Orton	Traveling expenses	165
8	R. Carter Ballantyne	Paper bags	106
	F. R. Holzmann	Salary	40
	S. M. Tracy	do	50
	Unris. Unristensen	do	40 25
	Jno. L. Sheldon Peter H. Rolfs	do	168
	Peter H. Rolfs Otto M. Vance	do	168 40
	H C Henricksen	do	50
9	C. L. Shear H. J. Webber Andrew M. Soule	do do Traveling expenses do Salary do	94
$\frac{10}{17}$	H.J. Webber	do	45 25
14	Andrew M. Soule	Salary	61
	A. W. Edson D. B. Swingle	Expenses	4
	Perley Spaulding	Traveling expenses	49
	Peter H. Rolfs	do	68
10	D. B. Swingle Perley Spaulding Peter H. Rolfs Walter T. Swingle Washington Southern Rwy. CodoThe Chesapeake and Ohio Rwy. Co Burlington and Missouri River R. R. Co Michigan Central R. R. Cododo	Salary	189
18	wasnington Southern Rwy. Co	Passenger transportation	10 31 12
	The Chesaneake and Ohio Rwy Co	do	5J 16
	Burlington and Missouri River R. R. Co	do	12
	Michigan Central R. R. Co	do	18
	Pennsylvania R. R. Co	do	59
	Couthorn Dwy Com	do	21
	The Western Rwy of Alebama	do	18
	Geo. G. Hedgeock	Traveling expenses	16
	do	Expenses	8
	do Seaboard Air Line Rwy Jno. C. Parker E. G. Schollander Cor. T. Mouro.	Passenger transportation	4
19	Jno. C. Parker	Clips	50
23	E.G. Schollander	Salary	50
20	Geo. T. Moore Caroline T. Rumbold E. F. Smith et al	Salary Traveling expenses Salary Salaries	39 25
29 30	E. F. Smith et al	Salaries	3, 334
50			
	Total first quarter		15,853
, 0	771. 37.1	a 1	
ct. 2	Elias Nelson H. C. Hemicksen A. J. Meyer N. B. Pierce	Salary	39 49
5	A. J. Meyer	do	50 50

# ${\it Expenditures of Department of Agriculture for year ending June\,30,1903} \hbox{--} {\it Cont'd.}$

ite.	Name.	Nature of payment.
02.		
. 3	Mark B. Lacy Geo. G. Hedgcock Leslie A. Fitz P. H. Dorsett Jno. S. Cole E. G. Schollander Alfred Atkinson Caroline T. Rumbold H. von Schrenk A. W. Edson	Salary
	Geo. G. Hedgcock	do
	D H Dorestt	do
	Jno S Cole	do
	E. G. Schollander	do
	Alfred Atkinson	do
	Caroline T. Rumbold	do
	H. von Schrenk A. W. Edson do F. R. Holzmann Peter H. Rolfs	do
	do	Traveling expenses
6	F. R. Holzmann	Salary
	Peter H. Rolfs Perley Spaulding F. W. Faurot D. W. Stockstill	do
	Perley Spaulding	
	D. W. Stocketill	do
	W Silas Sheetz	Camera etc
	W. Silas Sheetzdo	Photographic work
		do
	do	Printing frames
7	Herman von Schrenk	do Seed boxes Camera, etc Photographic work do Printing frames Traveling expenses Salary do
7 9	Otto M Vance	do
ð	do do Herman von Schrenk W. M. Hayes Otto M. Vance Jno. L. Sheldon Geo. T. Moore W. Silas Sheetz	do
10	Geo, T. Moore	do Traveling expenses Apparatus Meters
	W. Silas Sheetz	Apparatus
	do C. L. Shear S. M. Tracy Chris. Christensen	Meters
	C. L. Shear	Traveling expenses Salary do Traveling expenses do Expenses
	Chris Christopeon	Salary
	W A Carleton	Traveling expenses
3	Rodney H. True Newton B. Pierce Perley Spaulding	do
16	Newton B. Pierce	Expenses
	Perley Spaulding	do
	do Peter H. Rolfs	Expenses do Traveling expenses Expenses do Traveling expenses Expenses Traveling expenses Photographic supplies do Lumber
	do	do do
		Traveling expenses
	Leslie A. Fitz S. M. Tracy Houghton & Delano do Church & Stephenson	Expenses
	S. M. Tracy	Traveling expenses
8	Houghton & Delano	Photographic supplies
	Change & Charles	do
	Z. D. Gilman	Rottles etc
	do	Laboratory supplies
20	J. S. Chamberlain United States Envelope Co.	Traveling expenses
	United States Envelope Co	Envelopes
	do	Lumber Bottles, etc Laboratory supplies Traveling expenses Envelopes
	M. C. Consland Co.	Pads
	American Writing Machine Co	Pads Flag Typewriter paper
	do  M. G. Copeland Co  M. G. Copeland Co  American Writing Machine Co  Sawyer & Wagner Co  National Engraving Co  Southern Printers' Supply Co  R. Carter Ballantyne  National Electric Supply Co  Jno. C. Parker  Flossie M. Garner  E. Morrison Paper Co  Thos. Somerville & Sons  do  do	Cards
	National Engraving Co	Cards Plates Electros
	Southern Printers' Supply Co	Electros
	R. Carter Ballantyne	Envelopes, etc Electric stove, etc
	Ino C Parker	Pen and paner
	Flossie M. Garner	Pen and paper Hemming towels.
1	E. Morrison Paper Co.	Bags
	Thos. Somerville & Sons.	Nozzle
	do	Bags Nozzle Link Pipe, etc Card holders
	Dudalah Wast 6- Ca	Pipe, etc
	Rausch & Lomb Ontical Co	Rubbar cans
7		Traveling expenses
	Newton B. Pierce	Expenses
	do	Expenses do Trayeling expenses
	do Henry A. Miller T. R. Robinson	Traveling expenses
	T. R. Robinson	
	K F Kellermen	do
	C. L. Shear K. F. Kellerman D. B. Swingle Andrew M. Soule Ernest N. Wilcox Gus. A. Muller American Distributing Co.	Expenses
	Andrew M. Soule	Salary
	Ernest N. Wilcox	Salary do Painting
28	Gus. A. Muller	Painting
	American Distributing Co. The Bailey-Lebby Co Richards & Co Field Force Pump Co. J. R. Torry Razor Co.	Alcohol
	The Bailey-Lebby Co	Cotton Funnels, etc Nozzles
	Field Force Pump Co	runnels, etc
		Cutters

 $Expenditures \ of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30, 1903-{\bf Cont'd.}$ 

Date.	Name.	Nature of payment.	Total
1902.			
ct. 28	Buxton Skinner Stationery Co Alexander Seed Co	Filing cases	\$49
	Alexander Seed Co	Oats	ñ
	Daniel Hiser	Pots Traveling expenses	44
	M. C. Jensen Peter Rolfs		56 56
	Wm. Krafft Geo. T. Moore Fred A. Schmidt M. Du Perow	Apparatus	75
29	Geo. T. Moore	Apparatus Traveling expenses Drawing table	46
	Fred A. Schmidt	Drawing table	8
	M. Du Perow	Plugs Desk fans Clock, etc	1
	M. Du Perow do do Woodward & Lothrop Hugh Reilly Barber & Ross Lamb & Tilden Mackall Bros Wm Krafft	Clock ate	$\frac{65}{12}$
	Hugh Reilly	Glass	2
	Barber & Ross	Brass Stencil Cans, etc	·
	Lamb & Tilden	Stencil	]
	Mackall Bros	Cans, etc	15
			42
	do H. von Schrenk Erwin F. Smith et al	Expenses	676 178
31	Erwin F. Smith et al	Salaries	-3.436
ov. 1	E. G. Schollander	Salary	5( 4( 5(
	Perley Spaulding	do	40
	Mark B. Lacy	do	
	do H. von Schrenk Erwin F. Smith et al E. G. Schollander Perley Spaulding Mark B. Lacy Newton B. Pierce P. H. Dorsett F. W. Faurot Jno. S. Cole Alfred Atkinson Elias Nelson Daniel Hiser T. S. Williams	do	210 189
	F. W. Faurot	do	60
	Jno. S. Cole	do	50
	Alfred Atkinson	do	50
9	Elias Nelson	do do Glazed pots Growing vegetables Book Expenses Salary do	40 2
3	T S Williams	Grazed pots	9.
0	E. Bartholomew	Book	, i
	H. von Schrenk	Expenses	79
	A. W. Edson	Salary	80
	Andrew M. Soule	do	2: 80
	A I Morror	do	50
	F R Holzmann	do	40
	H. von Schrenk	do	210
	Daniel Hiser T. S. Williams E. Bartholomew H. von Schrenk A. W. Edson Andrew M. Soule Geo. G. Hedgcock A. J. Meyers F. R. Holzmann H. von Schrenk Caroline T. Rumbold Walter T. Swingle do	do	2 18
	Walter T. Swingle	do	18
	H wan Cabrant	Transling ornange	189
	H. von Schrenk Geo. E. Morris Whitall Tatum Co	Prints etc	4' 3
	Whitall Tatum Co.	Wire.etc	13
	do Wyckoff, Seamans & Benedict J. T. Walker Sons Chas. R. Edmonston	Traveling expenses Prints, etc Wire, etc Aquaria Ribbons. Sand	30
	Wyckoff, Seamans & Benedict	Ribbons.	
	J.T. Walker Sons	Filter	5
	Barber & Ross	Hardware	,
	Barber & Ross E. G. Shafer & Co W. Silas Sheetz	Filter Hardware Pipe, etc Trimmer Case Laboratory supplies Salary do do	
6	W. Silas Sheetz	Trimmer	:
	do	Case	0
	do Merck & Co H. C. Henricksen Peter H. Rolfs Tro I. Skelden	Laboratory supplies	38 50
	Peter H Rolfs	do	168
	Jno. L. Sheldon	do	2
	Jno. L. Sheldon Erker Bros. Optical Codo	do Camera, etc Photographic supplies	2: 30 2:
	do	Photographic supplies	2:
	Henry Heil Chemical Co	Chamicala	2
	dodo	Chemicals Laboratory supplies Salary Welsbach lights Labels Drying lumber	
	T II Ma Callanal	Salary	- 91
	Backus Gas Heater and Fixture Co	Welsbach lights	
	A. Volger Sheet Metal Manufacturing Co.	Labels	1' 1'
	Riddle Rehbien Manufacturing Co	Drying lumber Camera	13
	I Stockley Sood Co	Oats	70
	Backus Gas Heater and Fixture Co A. Volger Sheet Metal Manufacturing Co Riddle Rehbien Manufacturing Co Folmer & Schwing Manufacturing Co J. Steckler Seed Co The Childow Institute E. O. Painter Fertilizer Co Whitall Tature Co	Rent	50
	E.O. Painter Fertilizer Co	Fertilizer	42
	Whitall Tatum Co	Staining jar, etc	18
jay.	TT T WAY	Rent Fertilizer Staining jar, etc Vials Transportation	20 20
7 10	do H. J. Webber S. M. Tracy Chris, Christensen	Transportation	202 50
10	Chris Christensen	do	40
	Otto M. Vance	do	40
	Otto M. Vance Leslie A. Fitz	do	50
	Jas. E. Converse Jesse B. Norton The Folmer & Schwing Manufacturing Co	do	37
	Jesse B. Norton	Traveling expenses Camera Lenses, etc	19 85
	THE POINTER AS SCHWING MANIESCHIPING (O	Camera	86

ate.	Name.	Nature of payment.	Total.
902.			
902. v. 10	Wood, Stubbs & Co O. M. Schwill & Co Leslie A. Fitz A. F. Woods Rudolph, West & Co Mackall Bros Z. D. Gilman E. N. Wilcox	Oats	\$1.
	O. M. Schwill & Co.	Traveling expenses	3.
11	Leslie A. Fitz	Traveling expenses do	4.
13	Pudolph Weet & Co	Pine etc	154. 40.
15	Mackall Bros	Chemicals	99
	Z D Gilman	Beakers.etc	22. 101.
17	E. N. Wilcox	Salary, October	
1.	T. W. Wood & Sons	Salary, Nov. 1-15	19. 11. 33. 3. 73.
	T. W. Wood & Sons	Outs	11.
	do	do	00
	M. B. McRae	Carpenter work	33.
	Payach & Lomb Optical Co	Safety burner	
	Alox Corlylo	Salary Anguet	50.
	do	Salary, September	50.
	do	Salary, October	50.
	Barber & Ross	Screws, etc	4.
	Geo. F. Muth & Co	Brushes	4. 2.
	Hugh Reilly	Glass	5.
18	Lehigh Valley R. R. Co.	Passenger transportation	5. 5. 18.
	do M. B. McRae Arthur H. Thomas Co Bausch & Lomb Optical Co Alex. Carlyle do do Barber & Ross. Geo. F. Muth & Co. Hugh Reilly Lehigh Valley R. R. Co. Galveston, Harrisburg and San Antonio Rwy. Co. Great Northern Rwy. Co Atlanta and West Point R. R. Co. Louisville and Nashville R. R. Co. Atlantic Coast Line R. R. Co. Atlantic Coast Line R. R. Co. do do Southern Rwy. Co. Michigan Central R. R. Co. Michigan Central R. R. Co. New York, New Haven and Hartford R. R. Co.	do	18.
	Great Northern Rwy, Co.	do	11.
	Atlanta and West Point K. K. Co.	do	10.
	Atlantic Coast Line R R Co	do	6.
	The Wabash R. R. Co	do	4 19
	Atlantic Coast Line R. R. Co	do	10.
	do	do	14
	do	do	5.
	Southern Rwy. Co	do	52.
	do	do	6.
	New York, New Haven and Hartford R. R.	dodo	6. 10. 2.
			40
	do	do	25
	Northern Pacific Rwy. Co	do	25 13
	Central of Georgia Rwy. Co	do	Q
	Maine Central Rwy. Co	do	8.
	do do do Northern Pacific Rwy. Co Central of Georgia Rwy. Co Maine Central Rwy. Co Baltimore and Ohio R. R. Co The Lake Shore and Michigan Southern Rwy. Co	do	8. 12. 12.
	International and Great Northern Rwy.		36.
	Co. Nashville, Chattanooga and St. Louis Rwy. Co. F. W. Bolgiano & Co. Mobile and Ohio R. R. Co. St. Louis and San Francisco R. R. Co. Gulf, Colorado and Santa Fe Rwy. Co. Southern Rwy. Co. Louisville and Nashville R. R. Co. Duluth, South Shore and Atlantic Rwy. Co. Pennsylvania R. R. Co. do. do. Chicago and Northwestern Rwy. Co.	do	3.
	F W Bolgiano & Co	Rags	4
	Mobile and Ohio B. R. Co	Passenger transportation	2
	St. Louis and San Francisco R. R. Co	do	51.
	Gulf, Colorado and Santa Fe Rwy. Co	do	6
	Southern Rwy. Co	do	39
	Louisville and Nashville R. R. Co	do	21
	Duluth, South Shore and Atlantic Kwy. Co.	do	9 47 62
	do	do	41
	do	do	26
	Chicago and Northwestern Rwy, Co	do	8
19	Whithall Tatum Co	Dichoc	9
	do Chicago and Northwestern Rwy. Co Whithall Tatum Co R. P. Clarke Co	Toweling	6
26	H.J. Webber	Expenses	38
-	H. J. Webber Chas. O. Townsend Washington, Alexandria and Mt. Vernon	Traveling expenses	115 11
29	Washington, Alexandria and Mt. Vernon Rwy. Co. Erwin F. Smith et al C. P. Hartley	Toweling Expenses Traveling expenses Tickets	
	Erwin F. Smith et al	Salaries Traveling expenses	3, 419
. 1	U. P. Hartley	Traveling expenses	153
	Elias Nelson	Salary	39
	F W Fenrot	do	50
	A W Edgen	Traveling expenses	60 119
2	Elias Nelson Ernest G. Schollander F. W. Faurot A. W. Edson W. B. Folmar James Murphy E. N. Wilcox Leslie A. Fitz C. P. Hartley Erwin F. Smith Andrew M. Soule Jonas E. Hite Henry K. Mooney	Cultivating	119
2	Iamas Mumby	Everysting	100.
3	E V Wilcox	Salary	16. 19.
9	Leslie A. Fitz	do	50
	C. P. Hartley	Expenses	93.
	Erwin F. Smith	Traveling expenses	42
4	Andrew M. Soule	Salary	24.
	Jones E Hito	do	25

 $Expenditures of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1903-Cont'd.$ 

Date.	Name.	Nature of payment.	Tota
1902.			
ec. 4	Perley Spaulding	Salary	\$39
	Perley Spaulding Newton B. Pierce	Salary	\$39 208
	P H Dorsett	do	189
	Mark B. Lacy Jno. S. Cole H. von Schrenk	dodo	49
	Jno. S. Cole	(lo	205 205
	H. von Schrenk	Transportation	208
	The Geo. W. Knox Express Co	Transportation	7.
	United States Electric Lighting Co	do Current	11
	do	do	15
	Washington Gaslight Co	Gas	-
		do	ě
	do	do	2
	M. A. Carleton	Evnenses	58
	Louis Mesmer H. von Schrenk	Traveling expenses	44 32
	H. von Schrenk	Expenses	32
~	B. M. Duggan	do	88
5	M. A. Carleton	do	2
6	Coo T Moore	Traveling expenses	160
U	H J Webber	Expensesdo	. 10
	Leslie A Fitz	do	3
8	A. W. Edson	Salary	78
	H. von Schrenk B. M. Duggan M. A. Carleton W. A. Orton Geo. T. Moore H. J. Webber Leslie A. Fitz A. W. Edson Geo. G. Hedgcock Jno. S. Sheldon F. R. Holzman Alfred Atkinson L. H. McCullough	do	78
	Jno. S. Sheldon	. do	24
	F. R. Holzman	do	40
	Alfred Atkinson	do	5
	Alfred Alkinson L. H. McCullough H. C. Henricksen Peter H. Rolfs Geo, G. Hedgeock Lyc. C. Berlew	do	40
	H. C. Henricksen	do	49
	Peter H. Kolls	Traveling expenses	16
	Ino C Poulzon	Pop	
	Jno. C. Parker Church & Stephenson Henry Bernheimer	Pen Lumber Radiators	i
	Henry Bernheimer	Radiators	45
	H. von Schrenk	Expenses	44 11:
10	H. von Schrenk The C. J. McCubbin Co Church & Stephenson	Expenses Plumbing Lumber	2
	Church & Stephenson	Lumber	1
	do	do	13
	do .		1
	do Chris. Christensen	Salarydo	10
11	Otto M. Vonce	Salary	40
	Carolina T. Pumbold	do	23
	J R Evans	do	5
	do	do	50
	Otto M. Vance Caroline T. Rumbold J. B. Evans do S. M. Tracy	do	50
	do	Traveling expenses	3
	Peter H. Rolfs	do	3
	do Peter H. Rolfs A. W. Edson T. R. Robinson	dodo	12
12	T. R. Robinson	Expenses	1
	do	Traveling expensesdo	
	T. R. Robinson do Geo. G. Hedgcock Rudolph, West & Co Z. D. Gilman do Woodward & Lothrop Hugh Reilly do	Handwaya	
	7 D Gilmon	Hardware	
	do	Covers, etc	;
	. do	Laboratory supplies	60
	Woodward & Lothrop	Pans, etc	(
	Hugh Reilly	Glass	9
	do	do	
	do	do	
	do Edw. S. Schmid E. G. Schafer & Co	do Sprinkler Plumbing material do	
	E.G. Schafer & Co	Plumbing material	
	do	QO	5
			45
	M. Du Perow Wyckoff, Seamans & Benedict do J. T. Walker Sons	Ribbons	42
	do	Ribbons Typewriter and cover	45 9
	J. T. Walker Sons	Sand	
	Ernest Betz	Plumping	10
	do	Pans	9
	Library Bureau	Boxes	12
	Library Bureau Peter Henderson & Co Erker Bros. Optical Co do	Labels Supplies Kodak, etc	29
	Erker Bros. Optical Co	Supplies	29
	do	Kodak, etc	40
	The Kny-Scheerer Co. Arthur H. Thomas Co.	- Glass	9
	Artnur H. Thomas Co.	Glass Micrometer Supplies Lumber	15
	Piggarno I umbon and Supply Co	Lumber	$\frac{15}{27}$
13	Biscayne Lumber and Supply Co The American Distributing Co	Alcohol	29
		Peroxide	64.

Date.	Name.	Nature of payment.	Total.
1902.			
ec. 13	A.J. Myer	Salary	\$50.
	A.J. Myer Bausch & Lomb Optical Co-	Sides	16. 35.
15		Salary	90. 21
10	Nora M. Kelley	do	24. 29.
16	Jno. S. Cole Nora M. Kelley The W. W. Biggs Heating and Ventilating	Salary Sildes Tubing Salary do Placing radiators	273.
	CO.		
17	H. von Schrenk Andrew M. Soule	Expenses	86.
18	Andrew M. Soule	do	27. 50.
	Elias S. Rivers J. T. Walker Sons Ernest Betz	Graval and sand	.)
	Ernest Betz	Tin dishes, etc	2. 3.
	Missouri Pacific Rwy. Co	Transportation	4.
19	Mackall Bros	Chemicals	4. 12.
	Chicago, Milwaukee and St. Paul Rwy. Co.	Passenger transportation	12.
	Georgia R. R. Co	do	13.
	Ann Anhon P. P. Co.	do	17. 1.
	The Oregon Railroad and Navigation Co	do	46.
	Union Pacific R. R. Co	do	20.
	do	do	8.
	do	do	3.
	Oregon Short Line R. R. Co.	do	7.
	Ernest Betz. Missouri Pacific Rwy. Co Mackall Bros. Chicago, Milwaukee and St. Paul Rwy. Co. Georgia R. R. Co. Grand Rapids and Indiana Rwy. Co. Ann Arbor R. R. Co The Oregon Railroad and Navigation Co. Union Pacific R. R. Co. do. do. Oregon Short Line R. R. Co. Missouri, Kansas and Texas Rwy. Co. Denver and Rio Grande R. R. Co. The Cleveland, Akron and Columbus Rwy. Co.	do	1.
	Denver and Rio Grande R. R. Co	do	31.
	Co.	(lO	11.
	Chicago, St. Faul, Milineapons and Omana	u0	0.
	Msy. Co. Missouri Lines Chicago, Burlington and Quincy Rwy. Co. Central Vermont Rwy. Co. Georgia Southern and Florida Rwy. Co. Illinois Central R. R. Co. Boston and Maine R. R. Co. The Atchison, Topeka and Santa Fe Rwy.	do	11.
	Central Vermont Rwy.Co	do	4. 5.
	Georgia Southern and Florida Rwy. Co	do	ā.
	Poster and Maine P. P. Co.	do	b.
	The Atchison, Topeka and Santa Fe Rwy.	do	6. 2. 17.
	do	do	3.
	Chicago and Northwestern Rwy. Co	do	50. 13.
	do	do	13.
	The Chicago and Alton Rwy. Co	do	8.
	Cuond Thurs by Down Co	0D	6.
	do do	do	1.
	Co. do Chicago and Northwestern Rwy. Co. do The Chicago and Alton Rwy. Co. do Grand Trunk Rwy. Co. do The Hocking Valley Rwy. Co. The Lake Shore and Michigan Southern Rwy. Co.	do do	12. 5.
	Central of Georgia Rwy. Co	do	ĩ.
	The New Years New Hoven and Heatford	OD	5. 40.
	Penneylyania R R Co	do	43.
	Baltimore and Ohio R. R. Co. Washington Southern Rwy. Co. The Cleveland, Cincinnati, Chicago and St.	do	15.
	Washington Southern Rwy. Co	do	14
	The Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	do	14.
	Pennsylvania Co	do	8.
	Northern Pacific Rwy. Co	do	24.
	Down March 1 D. D. C.	do	64.
90	Fere Marquette K. K. Co	Prioles	2. 36.
22	Ren Einstein	Radiator	36. 19.
	Chas. R. Edmonston	Bougies	19
	Peter H. Rolfs	Traveling expenses	12. 22.
	do	Expenses	104.
27	Newton B. Pierce	do	195. 42.
04	Houghton & Delano	Photographic supplies	42.
31	The Cleveland, Cincinnati, Chicago and St. Louis Rwy, Co. Pennsylvania Co Northern Pacific Rwy, Co	Salaries	210. 3, 585.
	Total second quarter		26, 125.
03.			
. 2	Jno, S. Cole.	Salary	25.
. 2	Jno. S. Cole Leslie A. Fitz E. G. Schollander J. B. Evans F. W. Faurot Mark B. Lacy Alfred Atkinson	do	. 50.
	E.G. Schollander	do	50.
	J. B. Evans	do	50.
	F. W. Faurot	do	60.
			50.

Date.	Name.	Nature of payment.	Total
1903.			
an. 3	Andrew M. Soule	Salary	\$25
	A.J. Mever	do	\$25 50.
	Nora M. Kelley	do	30
	P. H. Dorsett		189 23 41 80
	M. A. Carleton	Expenses	23.
	C.O. Townsend George G. Hedgcock	Solowy	41
5	W B Hemlin	Stelling ote	32
U	Bradley M. Davis	Office rent	100
	Perley Spaulding	Salary	40.
	A. W. Edson	do	80.
	Bradley M. Davis Perley Spaulding A. W. Edson S. W. Tracy	do	50.
	Peter H. Rolls	ao	168.
	N. B. Pierce	dodo	210
	Perley Spaulding	Traveling expenses	33.
	A. W. Edson Magruder & Alexander	Expenses	9 21
	Washington Railway and Electric Co	Bricklaying Car tickets	3.
	National Mortar Co	Cement	3
	National Mortar Co The Geo. W. Knox Express Co	Transportation	
	Clark & Davenport	Shade	2
	Clark & Davenport Rudolph, West & Co Potomac Electric Power Co	Rugs, etc	5
	Potomac Electric Power Co	Current	16
6	J. W. Watson Buxton & Skinner Stationery Co	Pumpe ate	16
	Wm D Lambert	Stationery supplies	7
	Wm. D. Lambert	Potatoes	3 15
	A. Buchs's Sons A. M. Beckers Lumber Co.	Lumber	, 3
	N.B. Pierce	Expenses	61
	Mallinckrodt Chemical Works	Chemicals	6
	Christian Becker	Scales	28
8	Church & Stephenson	Lumber	3
	do		6.
10	do		17
10	A. W. Edson		102
12	Z D Gilmon	Expenses	11. 24.
12	Z. D. Gilman Wyckoff, Seamans & Benedict	Cotton, etc	19
	dodo	Ribbons	2.
	Church & Stephenson	Lumber	18
	W. Silas Sheetz	Trays	4
	Thos. Somerville & Sons	Supplies	16
	do	Brass unions, etc	1
	Geo. F. Muth & Co	Helio paper	1
	Nowton B. Biones	Asphaltum	110
13	Newton B. Pierce Welsbach Co	Traveling expenses	119 1
10	dodo	dodo	1
	do	Lamps	9
	American Writing Machine Co	Typewriter paper	27
14	C. P. Hartley	Traveling expenses	2
15	C. P. Hartley Henry Heil Chemical Co	Chemicals, etc	2 15
	do	do	15
	do	Demijohn, etc	19
	do	Dishes, etc	26 37
	Geo. B. Swafford	Lumber, etc	37
	do Geo, B. Swafford Library Bureau Whitall Tatum Co	Cases	30
	Whitall Tatum Co	Cover glasses	4
	- 00	Shoes, etc	6 12
	do Eimer & Amend Erker Bros. Optical Co	Tubes Chemicals	12
	Eimer & Amend	Chemicals	16
	Erker Bros. Optical Co	Photographic suppliesdo	27 22
	do Robt. A. Simpson		8
	J B Evans	do	50.
	J. B. Evans M. C. Jensen	Traveling expenses (October)	18
	do	Traveling expenses (September)	31.
	B. M. Duggar H. von Schrenk	do Traveling expenses (October) Traveling expenses (September) Traveling expenses Traveling expenses (November)	44.
	H. von Schrenk	Traveling expenses (November)	14.
	do	Expenses	25.
	do	Traveling expenses	97.
10	Nove Keller	Expenses Traveling expenses	103. 34.
16	Nora Kelley Chas. W. Dabney		400.
	Daniel Hiser	Saucers	12.
	Alex Carlyle	Salary	50.
	Perley Spaulding	Traveling expenses	13.
20	Perley Spaulding W. A. Orton Lehighton Foundry Machine Co	Expenses	1.

# $\label{lem:expenditures} \textit{Expenditures of Department of Agriculture for year ending June 30, 1903} - \texttt{Cont'd}.$

Date	). 	Name.	Nature of payment.	Total.
1903.			T	20. 70
Jan. 2	11	The Maurice Joyce Engraving Co Washington Gaslight Co	Engraved plate	\$0.50
		00	Gas, November Gas, December Nails	7.50
		Barber & Ross	Nails	7.60 7.50 1.39
			File boxes	22. 50
		Mackall Bros The Geo. W. Knox Express Cododo	Turpentine Transportation do Photo supplies Cement	1.50 3.13
		do	do	3.13 16.31
		W. Silas Sheetz J. T. Walker Sons	Photo supplies	7.10
2	22	J. T. Walker Sons	Cement	1.25 4.69
		Newton B. Pierce Postal Telegraph Cable Co J. T. Walker Sons Blue Line Transportation Co. Henry A. Miller Kansas City Southern Rwy. Co. The Chicago Burlington and Oniney R. R.	Expenses Service	. 35
		J. T. Walker Sons	Sand	1.25
		Blue Line Transportation Co	Transportation	1.22
2	23	Henry A. Miller	Traveling expenses Passenger transportation	11.30 13.10
-	24	The Chicago, Burlington and Quincy R. R.	do	1. 25
		Co		
		Evansville and Terre Haute R. R. Co The Minnesota and St. Louis R. R. Co The Pecos Valley and Northeastern Rwy.	do	6.60
		The Minnesota and St. Louis R. R. Co	do	12.30
		Co.	do	3.00
		Cincinnati, New Orleans and Texas Pacific	do	5.25
		Rwy, Co.		
2	26	Northern Pacific Rwy. Co Delaware, Lackawanna and Western Rwy.	do	7.15
		Co.	do	4.35
		Chicago Great Western Rwy, Co	do	6, 65
		Chicago Great Western Rwy. Co	do	29.20
		Co.		01.0*
		Burlington and Missouri River R. R. Co	do	61.35
		Union Pacific R. R. Co	do	29. 79 28. 75
		Co.		
		do	do	34.89
2	27	M. B. Waite New York, New Haven and Hartford R. R.	do	58, 26 10, 00
		Co.		10.00
		Michigan Central R. R. Co	do	24.41
		Southern Rwy. Co. Atlantic Coast Line R. R. Co. do	do	17.50
		Atlantic Coast Line R. R. Co	do	4.35 15.73
		do	do	11.20
		Baltimore and Ohio R. R. Co	do	14.61
		Baltimore and Ohio R. R. Co do The Cleveland, Cincinnati, Chicago and St.	do	23.50
				15.25
		do	do	20.25
	.	Louisville and Nashville R. R. Co	do	29.35
2	29	Merck & Co	Gold chloride	2.63
		D. J. Griffith	Rent land	3. 12 18. 00
		J. W. Bunch	do	12,00
		Louis RWy. Co. do Louisville and Nashville R. R. Co. Merck & Co. E. W. D. Holway D. J. Griffith J. W. Bunch T. V. Munson J. L. Coker	Cultivation of cotton	50.00
		J. L. Coker Church & Stephenson do	I umbor	50.00 20.00
		do	Lumberdo	28.40
		Welsbach & Co. American Writing Machine Co. Louis Hartig Erwin T. Smith et al	Stand Typewriter paper Steel Salaries	5.00
		American Writing Machine Co	Typewriter paper	27.00
9	31	Louis Hartig	Steel	3,590.60
Feb.	2	A. W. Edson		5, 590. 00
		H. van Schrenk	do	82.70 215.30
	3	Jno. C. Ran Houghton & Delano	do Ventilating fans Plates, etc	74. 90 13. 93
			Plates, etc	13. 93 193. 75
		Louis Hartig	Scales	71.00
		Louis Hartig W.T.Swingle P.Lequeux	Scales Salary NovJan Apparatus	566. 70 58. 28
	4	P. Lequeux		58.28
		A. B. Seymour H. C. Davison & Co Peter H. Rolfs		6.00 14.62
	5	Peter H. Rolfs	Copying books Salary do	172, 20
		R. A. Moore	do	172.20 6.00
	~	Alfred Atkinson Woodward & Lothrop J.L. Sheldon		50,00
	9	J. J. Sheldon	Couch, etc	42,50 25,80
	0	United States Express Co_ Church & Stephenson W. B. Moses & Sons	Couch, etc Salary Transportation	20.80
		Col.	Lumber	1.80
		Church & Stephenson	Chair, etc	9.35

Date.	Name.	Nature of payment.	Total
1903.			
eb. 9	Mackall Bros	Chemicals	\$1
	do Geo. F. Muth & Co The Geo. W. Knox Express Co Blue Line Transfer Co C.L. Shear J. T. Walker Sons Geo. T. Moore F. R. Holzmann B. H. True	do Brushes, etc Transportation do Traveling expenses	14 14
	The Geo W Knoy Express Co	Transportation	9
	Blue Line Transfer Co	do	ð
11	C. L. Shear	Traveling expenses	7
	J. T. Walker Sons	Gravel, etc. Traveling expenses Salary Traveling expenses	13
1.0	Geo. T. Moore	Traveling expenses	97
12	R. H. True	Salary	40
	D. B. Swingle		1
	D. B. Swingle Adams Express Co Stark Bros. Nursery and Orchard Co	Expenses Transportation Apple tree grafts Traveling expenses	4 90
14	Stark Bros. Nursery and Orchard Co	Apple tree grafts	48
	S. M. Tracy	Traveling expenses	6
	Geo. G. Hedgcock	do	8
16	Phillip Lindemeyr	Card board	1
	Stark Bros. Aursery and Orenard Co. S. M. Tracy Geo. G. Hedgcock Phillip Lindemeyr Houghton & Delano Thomas Somerville & Sonsdo W. A. Ortondo	do Card board Plates, etc Brass reducer, etc Brass unions, etc Expenses	20
	Thomas Somerville & Sons	Brass reducer, etc	2
17	W A Orton	Expanses	8
11	do	do	2 8 24 27
18	Houghton & Delano	Photo supplies	51
	The Fred. Macey Co. (Limited)	do Photo supplies File sections	36
	W. A. Orton. do Houghton & Delano. The Fred. Macey Co. (Limited) United States Envelope Co Marx Schaefer Emil Greiner The Colorado & Southern Rwy. Co Christ. Christenson Newton B. Pierce	Envelopes	24
	Marx Schaefer	Cultivation of cotton	30
	Emil Greiner	Thermometers Passenger transportation	15
	Christ Christenson	Passenger transportation	$\frac{4}{40}$
	Newton B Pierce	do	215
	Nashville, Chattanooga and St. Louis Rwy.	SalarydoPassenger transportation	4
19			0
19	Co. do Control Vermont R. R. Co. do Central Vermont Rwy. Co. Southern Rwy. Co. do do The Chicago, Burlington and Quincy R. R.	do	6
	Central Vermont Rwy Co	do	7 3
	Southern Rwy. Co	do	17
	do	do	17
	do	do	17 17 22
	The Chicago, Burlington and Quincy R. R.	do	4
	Co.	a.	25
	The Chesaronke and Ohio Press Co	do	25 16
	Pere Marquette R. R. Co	do	10
	Maricopa and Phoenix Rwy. Co	DO	2
	Southern Pacific Co	do	$\frac{\hat{2}}{64}$
	Standard Oil Co	Oil and can	1
20	Wm. Krafft	Microscope	305
	Co.  Atlantic Coast Line R. R. Co. The Chesapeake and Ohio Rwy. Co. Pere Marquette R. R. Co. Maricopa and Phoenix Rwy. Co. Southern Pacific Co. Standard Oil Co. Wm. Krafft. Church & Stephenson	Oil and can Microscope Lumber	91 12
	F F Vomillion	Copying paper Inspecting boilers Measures Cultivation of cotton	5
	F P May & Co	Magazzae	10
21	C. L. & Theo. Bering Co.	Cultivation of cotton	50
	E. O. Painter Fertilizer Co	Fertilizers	42
	J. A. Mason	Cultivation of cotton Fire extinguisher	50 12
	A. C. Rowe	Fire extinguisher	12
	Church & Stephenson Jno. C. Parker E. F. Vemillion F. P. May & Co C. L. & Theo. Bering Co E. O. Painter Fertilizer Co J. A. Mason A. C. Rowe Wm. Krafft	Chemicals Cover glasses	9
	do	Cover grasses	2 3
	Jas Brodie	Photo gelatin	10
	The Maurice Joyce Engraving Co	Engraving plates	1
	Z. D. Gilman	Chemicals, etc.	38
	Jas. Brodie The Maurice Joyce Engraving Co Z. D. Gilman Thos. Somerville & Sons	Cultivation of cotton Engraving plates Chemicals, etc Plumbing supplies	3
	ao	do Apparatus Expenses	25
0.4	m. D. Dkinana	Apparatus	195
24	T. K. KODINSON	Adjusting type with	4 13
25	M Du Perow	Card etc	2
20	E. G. Schafer & Co	Adjusting typewriter Card, etc. Pipe, etc	ĩ
	do	do	5
	T. R. Robinson Wyckoff, Seamans & Benedict M. Du Perow E. G. Schafer & Co do Rudolph, West & Co	rpe, etcdo do Hardware Drawer pulls, etc Glue Traveling expenses Salaries Culture caps	6.
	do	Drawer pulls, etc	20.
	Jas. B. Lambie	Glue	2. 7.
90	do Jas. B. Lambie Karl F. Kellermann Eugene F. Smith et al	Traveling expenses	2 24
ar. 3	Pobort Josephyn	Culture cans	3, 244. 24.
. al. 9	The Chesaneake and Potomac Telephone Co	Service	12.
	do	do	12.
	Mary Brickell	Rent	30.
	Patk. J. O'Gara	Salary	37.
	Robert Josselyn The Chesapeake and Potomac Telephone Co do Mary Brickell Patk, J. O'Gara Jno. S. Cole Alfred Atkinson Geo. G. Hedgcock	do	50. 50.

te.	Name.	Nature of payment.	Total
3.			
3	Mark B. Lacy P. H. Dorsett H. von Schrenk	Salary	\$46
	P. H. Dorsett	do	175
	H. von Schrenk F. W. Faurot Jonas E. Hite H. K. Mooney Elias Nelson Perley Spaulding Nora M. Kelley Caroline T. Rumbold Leslie A. Fitz E. G. Schallander Andrew M. Soule A. W. Edson	OD	194 60
	Iones E Uito	do	25
	H K Mooney	do	25
	Elias Nelson	do	37 60
	Perley Spaulding	do	60
	Nora M. Kelley	do	60
	Caroline T. Rumbold	do	25
	Leslie A. Fitz	do	50 50
	Androw M. Soulo	do	23
4	A W Edeon	do	74
-	Andrew M. Soule A. W. Edson H. C. Henricksen Woodward & Lothrop E. Morrison Paper Co. Bausch & Lomb Optical Co. do Potomac Electric Power Co.	do	46
	Woodward & Lothrop	Mirror	1
	E. Morrison Paper Co	Paper	7
	Bausch & Lomb Optical Co	Disks	
_	do	do	
õ	Potomac Electric Power Co	Current	18
	do	do	14
	Hugh Reilly	Glass ground	16
	The Geo. W. Knox Express Co	Transportation	
6	do do do Hugh Reilly The Geo. W. Knox Express Co F. R. Holzmann J. B. Evans. A. J. Mever L. H. McCullough The Fyricide Manufacturing Co W. M. Hays Jno. L. Sheldon Albert C. Ames. W. E. Lynch J. W. Crampton Ernest Betz. W. Silas Sheetz. J. T. Walker Sons R. Carter Ballantyne	Salary	40
	J. B. Evans	do	50
	A. J. Meyer	do	50
	L. H. McCullough	do	40
9	The Fyricide Manufacturing Co	Extinguisners	43 248
	W. M. Hays	Saiary	2:
	Albert C Ames	do	60
	W. E. Lynch	Raising cotton	2
	J. W. Crampton	Cement work	38
	Ernest Betz	Chimney, etc.	5
11	W. Silas Sheetz	Mounts	1
	J. T. Walker Sons	Lime and cement	(
	R. Carter Ballantyne American Writing Machine Co. M. B. Waite	Tags, etc	2
10	American Writing Machine Co	Typewriter paper	54 79
12 14	I. I. Olde	Oate	1
LT	L. L. Olds H. von Schrenk Newton B. Pierce	Tags, etc Typewriter paper Traveling expenses  Expenses Traveling expenses	64
16	Newton B. Pierce	Traveling expenses	(
	do	ao	51
	do	Expenses	165
	do do S. H. Smith T. W. Wood & Sons	Cultivating cotton	148 12
	S. H. Smith	Cultivating cotton	12
	Dudley M Hughes	Cultivating cotton	50
	Christian Recker	Weights	29
	E. F. Brooks & Co	Piping. etc	196
17	T. W. Wood & Sons Dudley M. Hughes. Christian Becker E. F. Brooks & Co Eimer & Amend Whitall, Tatum Co do M. Du Perow do The E. Brooks Co	Oats Cultivating cotton Weights. Piping, etc Balance Bottles, etc	16
	Whitall, Tatum Co	Bottles, etc	28
7.0	do	do	4
18	M. Du Perow	Tubes	
	do	Socket Electric motor	120
	The E. F. Brooks Co	Plumbing	120
	He E. F. Brooks Co Houghton & Delano F. & J. K. Bishop Art Co R. C. Keenan S. M. Tracy E. Bartholomew A. A. Heller Jno Frost	Plumbing Photo work Rotax Cultivating cotton	65
	F. & J. K. Bishop Art Co	Rotax	7
	R. C. Keenan	Cultivating cotton	394
	S. M. Tracy	Salary	ЭС
	E. Bartholomew	Book	6
	A. A. Heller	Salary Book Specimens fungi Plumbing Cultivating cotton Oats	4
	Jno. Frost The Californian Development Co	Cultivating cotton	35 50
	Wm. Henry Maule	Oats	1
	The Okonite Co. (Limited)	Wire	
	W. W. Rawson & Co	Oats	
	Northrup. King & Co	Oatsdo	2 1
	Iowa Seed Co	do	1
10	Jno. Frost The Californian Development Co Wm. Henry Maule The Okonite Co. (Limited) W. W. Rawson & Co. Northrup. King & Co Iowa Seed Co. A. A. Berry Seed Co. H. von Schrenk Geo. T. Moore The Geo. W. Knox Express Co Jas. B. Lambie Rudolph, West & Co Hugh Reilly Mrs. A. A. Winfielddo W. Silas Sheetz	do do Expenses Traveling expenses Transportation Zinc Pulleys, etc	22
19	H. VOII SCHEENK	Expenses	22
	The Geo W Knov Evanos Co	Traveling expenses	158
	Jas B Lambie	Zine	3
	Rudolph, West & Co	Pulleys etc	1 9
	Hugh Reilly	Glass Beef and eggs Salt Lantern slides	3
	Mrs. A. A. Winfield	Beef and eggs	
	a -	Solt	

Date.	Name.	Nature of payment.	Total.
1903.			
Mar. 19	M. Lindsay Rubber Co	Packing	\$0.2
	do E: Morrison Paper Co Ernest Betz	do Tags Tinning roof Iron stack Watering pot etc Cement Sand	6. 8
	Ernest Betz	Tinning roof	12. 0 10. 0
	do - Edw. S. Schmid	Watering not etc	10.0
	National Mortar Co	Cement	3.1 10.3 7.5 2.7 1.3
	National Mortar Co. J. T. Walker Sons Wyckoff, Seamans & Benedict E. G. Schafer & Co	Sand	7.6
	Wyckoff, Seamans & Benedict	KIDDOHS	2. 7
	E. G. Schafer & Co Barber & Ross. Whitall Tatum Co Wm. Krafft The Foulds Milling Co Standard Oil Co Merck & Co. Peter H. Rolfs Warren M. Whyte Newton B. Pierce The E. F. Brooks Co Ernest Betz.	Nails etc	3.9
20	Whitall Tatum Co	Nails, etc Graduates Cover and slides	1.8
	Wm. Krafft	Cover and slides	9.3
	Standard Oil Co	Macaroni Oil	1.0
	Merck & Co.	Chemicals	2.
21	Peter H. Rolfs	Salary Labels Salary Valves	155. (
23	Newton B Pierce	Labels	24.0 194.4
20	The E.F. Brooks Co	Valves	13.0
	Ernest Betz	Labor	3.
	Potomac Electric Power Co	Current Expenses	16.1 13.9
	B. M. Duggar	Traveling expenses	76.9
	Chas. Lentz & Sons	Traveling expenses Grinding knives, etc	7. 280.
	Priest Betz. Potomac Electric Power Co. Peter H. Rolfs B. M. Duggar Chas Lentz & Sons. Arthur H. Thomas Co Duparquet, Huot & Moneuse Co. W. Silos Shootz	Incubators, etc	280. a 21. c
	W. Silas Sheetz Forsberg & Murray C. O. Townsend The Fred Macey Co. (Limited) E. J. Pullman E. G. Schafer & Co. Peter H. Rolfs.	Boiler	114.
	Forsberg & Murray	Boiler, etc	73. 0 20. 0
	C.O. Townsend	Expenses Guides and folders Plates, etc. Boiler, etc. Expenses	20.0
24	The Fred Macey Co. (Limited)	Guides and folders	13.
	E. G. Schafer & Co.	Boiler, etc.	31.
25	Peter H. Rolfs	Expenses	65.
	do Peter Henderson & Co		53.5 26.
	Church & Stephenson	Lumber	19.3
	Church & Stephensondo	Lumber	9.
	do do Jno. Mitchell, jr Washington Railway, and Electric Co. C. O. Townsend The Okonite Co. (Limited) F. G. Tracy Peter Henderson & Co. R. C. Keenan do	Pipe, etc	2.
	Washington Railway and Electric Co	Fare tickets	8.3
26 27	C. O. Townsend	Fare tickets. Traveling expenses.	3.
27	The Okonite Co. (Limited)	Wire Cultivation of cotton Oats	4.
	Peter Henderson & Co	Oats	100. 13.
	R.C. Keenan	Rent land	6.
	do F. F. Collins G. L. Tabor Frayir, E. Smith et al.	Picking cotton, etc	24. 50.
	G. L. Tabor	Cultivating cotton	150.
31	Erwin F. Smith et al	Salaries	3,426.
	Total third quarter		23, 552,
Apr. 1	F. R. Holzmann	Salary	40.
	Elias Nelson	do	41. 82.
0	F. K. Holzmann Elias Nelson Geo. G. Hedgcock W. Atlee Burkee & Co Guild & Garrison Washington Gaslight Co do A. W. Edson	Salary  do  do  oats and bags  Pump, etc  Gas  do  Salary	82. 2.
2	Guild & Garrison	Pump, etc.	750
	Washington Gaslight Co	Gas	9. 82.
	A. W. Edson	Colomy	9.
4	C. L. Shear	Salary Traveling expensesdo	82. 71.
	A. W. Edson	dodo	79.
6	A. W. Edson C. L. Shear A. W. Edson S. M. Tracy J. E, Hite	Salary	50.
	Andrew M Soule	do	25. 25.
	Leslie A. Fitz	do	50.
	Nora M. Kelley	do	60.
	L. H. McCullough	do	40. 172
	J. E. Hite Andrew M. Soule Leslie A. Fitz Nora M. Kelley L. H. McCullough Peter H. Rolfs Patk. J. O'Gara A. J. Meyer E. G. Schollander J. B. Evans Caroline T. Rumbold H. C. Henricksen	do	172. 41.
	A.J. Meyer	do	50.
	E.G. Schollander	do	50. 50.
	Caroline T. Rumbold	do	50, 25.
	H. C. Henricksen	do	51
	H. C. Henricksen Mark B. Lacy P. H. Dorsett Newton B. Pierce	do	51. 193.
		do	193.
	Nowton R Piores	do	215.

# Expenditures of Department of Agriculture for year ending June 30, 1903—Cont'd VEGETABLE PATHOLOGICAL INVESTIGATIONS—Continued.

Date.	. Name.	Nature of payment.	Total.
1903.			
pr. 6	Jno. S. Cole	Salary	\$50.00
•	Jas. E. Converse	do	25.00
	Jas. E. Converse F. W. Faurot H. K. Mooney Leslie A. Fitz W. B. Moses & Sons	do	60.00 25.00
	Loclio A Fitz	do Traveling expenses Bookcase, etc	12. 25
9	W B Moses & Sons	Bookcase etc	185 30
	do	do Clock	132.06
	W. B. Moses & Sons do J. Karr's Sons M. G. Copeland Co Ernest Betz. do R. P. Clarke & Co Alfred Atkinson Chris Christensen	Clock	185.30 132.06 7.50
	M. G. Copeland Co.	Awnings.	56.83
	do	Funnels Tin roof Toweling	6.00 28.00
	B. P. Clarke & Co	Toweling	11.88
	Alfred Atkinson	Salary	50.00
	Chris. Christensen	Salary, February	40.00
13	Chris Christensen do E. G. Schafer & Co	Salary Salary, February Salary, March Pipe	40.00 19.32
19	Hugh Roilly	Clase	19.52
	Hugh Reilly E. Morrison Paper Co. Woodward & Lothrop Hugh Reilly	Glass Packets, etc Furniture, etc	. 84 21. 25
	Woodward & Lothrop	Furniture, etc	. 59, 09
	Hugh Reilly	Glass	7.08
14	AFLITUE D. I DOMAS	Balance and weights	4.60
	Stark Bros. Nurseries and Orchards Co	Seedings	16.83 13.28
	Stark Bros. Nurseries and Orchards Codo do Washington Southern Rwy. Codo do Erker Bros Optical Co Stephen C. Dawley N. B. Pierce Perley Spaulding Alex. Carlyle John L. Sheldon Thos. Somerville & Sons do Barber & Ross. Z. D. Gilman Western Union Telegraph Co	Seedlings Grafts Transportation	9 35
	dodo	Transportation do do	2.88
	Erker Bros Optical Co	Scalpels, etc	20.50
	Stephen C. Dawley	Drayage	. 25
	N. B. Pierce	Kent, gardens	375.00 60.00
	Alex Carlyle	do	150.60
15	John L. Sheldon	do	25, 80
17	Thos. Somerville & Sons	Valyes, etc.	5.18
	D1 6 D	Oilstone, etc	5. 18 1. 75 2. 90
	Z D Gilman	Ollstone, etc	2.90 8.52
	Western Union Telegraph Co	Service	9.18
18	Karl F. Kellerman	Traveling expenses	6, 40
	Chicago, Burlington and Quincy R. R. Co	Passenger transportation	4.45
	The Wabash R. R. Co	do	15.66
	Louis Parr Co	do	64 00
	Barber & Ross. Z. D. Gilman Western Union Telegraph Co Karl F. Kellerman. Chicago, Burlington and Quincy R. R. Co. The Wabash R. R. Co. Pittsburgh. Cincinnati, Chicago and St. Louis Rwy. Co. Pennsylvania R. R. Co. Nashville, Chattanooga and St. Louis Rwy. Co.	do	74. 75
	Nashville, Chattanooga and St. Louis Rwy.	do	9. 20
			42.08
	Pennsylvania R. R. Co.		12.25
	Rutland R. R. Co Oscar Erickson Louisville and Nashville R. R. Co. Chicago, Rock Island and Pacific Rwy. Co. L. H. McCullough M. B. Waite Whitall, Tatum Co	Salary	6, 00 20, 65
	Louisville and Nashville R. R. Co.	Passenger transportation	27.50
	Chicago, Rock Island and Pacific Rwy. Co.	Passenger transportation. do Traveling expenses Expenses Glass tubing Tubes Bottlee	4.54
20	L. H. McCullough	Traveling expenses	2.85
01	M. B. Waite	Expenses	113.90
21	do	Tubes	1.80 2.16
	do	Bottles	4.58
	do	Bottles Forceps, etc Slides, etc Mats	140.71
-	do	Slides, etc	140.71 68.69
22	Judd & Detweiler Houghton & Delano John C. Parker R. F. Zerman	Mats	3. 75
	John C Parker	Photographic supplies	35, 00 44, 20
23	R F Zerman	Oil	15. 38
10.5	N. Land	Salary	20, 65
	A. C. Ames W. T. Swingle Robt. Josslyn	Salary do do	40, 00 368, 75
	W.T. Swingle	do	368.75
			9.42
	Cambridge Botanical Supply Co	Covers, etc	34. 42
	W. Silas Sheetz	Developing machine	5,00 11,60
	Southern Rwy. Co.	Passenger transportation	20.66
24 25	M. Du Perow	Fans	37.50
25	Wm. Rennie	Oats	6.65
	Geo. G. Hedgoock W. Silas Sheetz Southern Rwy. Co. M. Du Perow Wm. Rennie Geo. T. Moore. Mewek & Co.	Covers, etc. Traveling expenses Developing machine Passenger transportation Fans Oats Traveling expenses Chemica:s Ladders Barrels Paraffin	148.65
	Merck & Co. Saginaw Ladder Co. Moore & Wood Wm. Krafft	Ladders	11.73
	Moore & Wood	Barrels	4. 48 1. 60
	Wm. Krafft	Paraffin	. 95
	do	Apparatus	264.90
	Andrus & Church	Section paper	3, 75
	do Andrus & Church L. Heinburger Flossie M. Garner Florence L. Dacy	Apparatus Section paper Soda.etc Hemming towels Salary	48.95 2.06
27	Florence L. Dacy	Salary	65.98
			09.00

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Date.	Name.	Nature of payment.	Total
1903.	,		
pr. 27	Francis Miller	Paraffin oil	\$3.
28	S. C. Wright T. W. Wood & Son. T. R. Kobinson Erwin F. Smith et al.	Hardware	47.
	T. W. Wood & Son	Rice and oats	
	T. R. Robinson	Rice and oats Expenses	2
30	Erwin F. Smith et al	Salaries	3,483
ay 1	Patk. J. O'Gara Alfred Atkinson	Traveling expenses Salary do	139
	Alfred Atkinson	Salary	50.
	E. G. Schollander	do	50.
	Patk, J. O'Gara	do	39
	Geo. G. Hedgcock Caroline T. Rumbold Newton B. Pierce	do	79
	Caroline T. Rumbold		25
	Newton B. Pierce	do	206
	J. E. Hite. Andrew M. Soule N. Lind	00	25 24
	N Lind	do	40
	Ing F Converge	do	25
	Flies Nolson	do	40
	Nora M Kally	do	60
	H K Mooney	do	25
	H von Schrenk	do	206
	Perley Spaulding	do	60
	Mark B Lacy	do	49
	P. H. Dorsett	do	185
	N. Lind Jas. E. Converse Elias Nelson Nora M. Kelly H. K. Mooney H. von Schrenk Perley Spaulding Mark B. Lacy P. H. Dorsett F. W. Faurot Z. D. Gilman A. H. Thomas Co A. J. Mever	do	60
2	Z. D. Gilman	Bell, glass, etc	42
	A. H. Thomas Co	Salary	41
	A.J. Meyer	Expenses	50
	H. von Schrenk Peter H. Rolfs	Salarydo	170
4	Peter H. Rolfs	do	164
	L. H. McCullough	do	40
	Jno. S. Cole	do	50
7	Sylvester Balz J. B. Evans	do	55
	J. B. Evans	do	50
	Loglio A Fitz	do	50
	H. C. Henricksen	Services	49
	Postal Telegraph Cable Co	Services	_
	Jas. B. Lambie	Belting	5
	H. C. Henricksen Postal Telegraph Cable Co Jas. B. Lambie Washington Gaslight Co	Gas	
	do Mackall Bros	Chemicals	7 23
	Mackall Bros	Chemicals	23
	do	do	5
	Chesapeake and Potomac Telegraph Co	Services Transportation Current	18
	United States Express Co Potomac Electric Power Co	Campart	14
	Church & Stophonson	Lumber	9
	Church & Stephenson Rudolph, West & Co Hugh Reilly Thos. Somerville & Sons do S. M. Tracy Theodore Gross D. P. Swingle	Brushes, etc	8
	Hugh Railly	Glass	8
	The Semerville & Sons	Plumbers' supplies  Cement, etc Salary	5
	do	Coment etc	g
9	S M Tracry	Salary	50
9	Theodore Gross	Potatoes	6
13	D B Swingle	Expenses	ă
1.9	Geo T Moore	Traveling expenses	158
	A. W. Edson	do	158 17
15	Perley Spaulding	Expenses Traveling expensesdodo	16
	Peter H. Rolfs	do	58
	C.O. Townsend	Expenses	58
	Theodore Gross D. B. Swingle Geo. T. Moore A. W. Edson Perley Spaulding Peter H. Roffs C. O. Townsend do Dealey Spaulding	Traveling expenses	9
	Perley Spaulding	Traveling expenses	36
	F. R. Holzman	Services Traveling expenses	40
	George G. Hedgcock	Traveling expenses	22
	F.S. Earle	Cultivating cotton	50
16	District of Columbia Paper Mfg. Co	Blotters Zinc plates Potatoes	26
	A. Zichtl	Zinc plates	26
	Ferley Spaulding F. R. Holzman George G. Hedgcock F. S. Earle Districtof Columbia Paper Mfg. Co A. Zichtl F. W. Bolgiano & Co Houghton & Delano	Potatoes	96
	F. W. Bolgiano & Co Houghton & Delano Wyckoff, Seamans & Benedict Thos. Somerville & Sons E. Morrison Paper Co The Maurice Joyce Engraving Co Chas. R. Edmonston Z. D. Gilman Wm. Krafft Chas. L. Smith Wolf Bros.	Plates	20
	Wyckon, Seamans & Benedict	Repairing typewriter	22
	Thos. Somerville & Sons	Pulleys, etc Paper	8
	The Manying Loves Francisco Co	Zine plates	1
	Chas P. Edmonston	Zinc plates Buckets	2
	Z D Gilman	Buckets. Razor strops. Repairing microscope Fungi Paper Flour Fungi	7
18	Wm Krefft	Rangiring microscope	8
18	Chac I. Smith	Funoi	30
	Wolf Rrog	Paner	35
	Hougan Milling Co	Flour	8
	Chas. L. Smith Wolf Bros. Hougen Milling Co A. R. Hiller Frank T. Budge do L. W. Holt	Fungi	8
	Frank T Budge	Pipe	30
	do	Gates	30
		Cultivating cotton	. 5

ate.	Name.	Nature of payment.
903.		
y 18	H. von Schrenk Peter H. Rolfs	Traveling expenses Expensesdo Photo supplies Lime
	do	do
19	W. Silas Sheets J. T. Walker Sons Voigtlaender & Son Optical Co	Photo supplies
20	J. T. Walker Sons	Lime Lens
20	Oswald Weigel	
22	Oswald Weigel Houghton & Delano. Eker Bros. Optical Co Washington, Alexandria and Mount Ver- non Rwy. Co.	Fungi Plates, etc_ Photo supplies
	Eker Bros. Optical Co	Photo supplies
25	Washington, Alexandria and Mount Ver-	Car tickets
20	non Rwy. Co.	Conomono
26 29	Z. D. Gilman	Tubing etc
31	Erwin F. Smith et al	Salaries
1	Geo. G. Hedgcock	Salary
	Leslie A. Fitz	do
	non Rwy. Co. J. P. Nawyath Z. D. Gilman Erwin F. Smith et al Geo. G. Hedgcock Leslie A. Fitz L. H. McCullough Peter H. Rolfs	do
	N. Lind Perley Spaulding	do
	H. C. Henricksen H. von Schrenk	do
	H. von Schrenk	do
	Newton B. Pierce P. H. Dorsett	do
	Mark B. Lacy	do
	Jno. L. Shelden	do
~	P. H. Dorsett. Mark B. Lacy. Jno. L. Shelden F. W. Faurot J. E. Hite. Henry K. Mooney Jas. E. Converse J. B. Evans Jno. S. Cole Southern Rwy. Codo Chicago, Rock Island and Pacific Rwy. Codo Central of Georgia Rwy. Codododododododo	do
2	J. E. Hite	do
	Inching K. Mooney	do
	J B Evans	do
	Jno. S. Cole	do
3	Southern Rwy. Co	Passenger transportation
	do Dal III de Company	do
	Unicago, Rock Island and Pacific Rwy. Co.	do
	Central of Georgia Rwy, Co	do
	do	do
	do	do :
	Galveston, Harrisburg and San Antonio	do
	Rwy. Co. The Wabash R. R. Co.	do
	The Wabash R. R. Co New York, Texas and Mexican Rwy. Co The Texas and Pacific Rwy. Co	do
	The Texas and Pacific Rwy. Co	do
	do	<del>q</del> 0
	Atlantic Coast Line R. R. CodododoLouisville and Nashville R. R. CoTexas and New Orleans R. R. CoFlorida East Coast Rwy. CoSt. Louis and North Arkansas R. R. CoSt. Louis, Keokuk and Northwestern R. R. Co	do
	do	do
	Louisville and Nashville R. R. Co	do
	Texas and New Orleans R. R. Co	do
	Pere Marquette R. R. Co	do
	St Louis and North Arkansas R R Co	do
	St. Louis, Keokuk and Northwestern R. R.	do
	Nashville, Chattanooga and St. Louis Rwy.	do
	Co.	do
	International and Great Northern R. R. Co	do
	Houston and Texas Central R. R. Co- International and Great Northern R. R. Co- Boston and Maine R. R. Co- New York, New Haven and Hartford R. R.	do
	New York, New Haven and Hartford R. R.	do
	do New York Central and Hudson River R. R.	do
	Co.	OD
	Washington Southern Rwy. Co	do
	Washington Southern Rwy. Co The Chesapeake and Ohio Rwy. Co Alfred Atkinson	do
4	Alfred Atkinson	Salary
15	A.J. Meyer	
5	A. J. Meyer C. L. Shear C. P. Hartley M. B. Waite	Traveling expenses Expenses Traveling expenses
U	M. B. Waite	Traveling expenses
9	W. A. Orton Washington Gaslight Co. H. J. Webber	
	Washington Gaslight Co.	Gas
	H.J. Webber	Gas Expenses Traveling expenses
	Jesse R Norton	Traveling expenses
	Jesse B. Norton M. B. Waite do Thos. W. Smith	do

# $Expenditures of \ Department of \ Agriculture \ for \ year \ ending \ June \ 30, 1903-Cont'd$ $\ VEGETABLE \ PATHOLOGICAL \ INVESTIGATIONS-Continued.$

ate.	Name.	Nature of payment.
03.	,	
e 10	Elias Nelson	Salary
	E.G. Schollenger Walter T. Swingle W.B. Moses & Sons Hugh Reilly	Salarydo
11	Walter T. Swingle	do
12	W. B. Moses & Sons	Stool
	Hugh Reilly	Stool Lights 1 gallon supremis Hinges, etc Iron Expenses do do Traveling expenses
		1 gallon supremis
	Rudolph, West & Co. Thos. Somerville & Sons M. B. Waite	Hinges, etc
	M R Weite	Fynangag
	Loslio A Fitz	do do
	Leslie A. Fitz Peter H. Rolfsdo	do
	do	Traveling expenses
13	do S. M. Tracy H. C. Henricksen Sylvester Balz Caroline T. Rumbold F. R. Holzmann H. yon Schrenk do Z. D. Gilman	dodo
-	H. C. Henricksen	do
	Sylvester Balz	Salary
	Caroline T. Rumbold	Salarydo
	F. R. Holzmann	do
	H. von Schrenk	Expensesdo
	do	do
	Z. D. Gilman	Lime
	R. Carter Ballantyne Thos. W. Smith Woodward & Lothrop	Envelopes Screenings Basins, etc
	Thos. W. Smith	Screenings
	woodward & Lothrop	
	Chas B Cropley	Corn planton oto
16	Herman Baumgarten Chas. B. Cropley L. McCullough	Traveling expenses
10	H.I. Webber	Criss lights Font rubber type style Corn planter, etc Traveling expenses
17	H. J. Webber Eimer & Amend Whitall-Tatum Co	Glass trough, etc
1.	Whitall-Tatum Co	Test tubes
	I do	
	do do	Flasks Jars, etc
	do	Jars, etc.
	Library Bureau Bausch & Lomb Optical Co. Frank T. Budge do. S. M. Tracy	Cases.
	Bausch & Lomb Optical Co	Slides, etc Twine, etc Nails, etc
	Frank T. Budge	Twine, etc
	do	Nails, etc
	S. M. Tracy	Salary
10	do S. M. Tracy The Hoggson and Pettis Manufacturing Co-	Salary Copying cloth Salary do
19		
20	Christ. Christensondo  Carl O. Runddo  The Okonite Co. (Limited)  The Deming Co  Wm. Krafft W. W. Crosier  Stark Bros. Nursery and Orchard Codo	do
	Cowl O Dund	do
	do do	do do
	The Okonita Co. (Limited)	Wire
	The Deming Co.	Knapsack spongers Sterilizer, etc Lumber Root grafts do Prints, etc
	Wm Krafft	Sterilizer etc
	W. W. Crosier	Lumber
	Stark Bros. Nursery and Orchard Co	Root grafts
		do
	Erker Bros. Optical Co	Prints, etc
	do Henry Heil Chemical Co. Chas. W. Meggenhofer Spencer Lenz Co	do Scales, etc. Micrographic stands
	Henry Heil Chemical Co	Scales, etc
	Chas. W. Meggenhofer	Micrographic stands
	Spencer Lenz Co	
	The Goulds Manufacturing Co	Mechanical stage, etc Knapsack pump Plum trees
	Henry Lutz & Sons	Plum trees
	The Goulds Manufacturing Co Henry Lutz & Sons A. A. Heller Brookes Fertilizer Co	Fungi Chemical Paraffin
	Wro Kno#t	Dana ffin
	Brookes Fertilizer Co Wm Krafft F. F. Collins S. C. Cissel	Paramn
22	C C Ciggol	Baling and hauling cotton
66	The Oliver Typewriter Co	Mixer Typewriter Photo supplies Boxes
	Houghton & Delano	Photo supplies
	Alex Schmid	Boxes
23	E. G. Schafer & Co	Bibbs
	do	Pipe, etc
	S. C. Cissel The Oliver Typewriter Co. Houghton & Delano. Alex. Schmid E. G. Schafer & Co. do. do. Whitall Tatum & Co.	Pipe, etc Tees
	Whitall, Tatum & Co	Corks
	H C Davison & Co	Conving books
	Library Bureau	Cards
	Library Bureau Folmer & Schwing Manufacturing Co E. Morrison Paper Codododododododo	Corks Copying books Cards Lens, etc Tinfoil and paper Letter scale Paper
	E. Morrison Paper Co	Tinfoil and paper
	do	Letter scale
	do	Paper
		Paper
	do Potomac Electric Power Co	Paper
	Potomac Electric Power Co	Current

Date	е.	Name.	· Nature of payment.	Total.
1903	3.			***
June	23	Potomac Electric Power Co	Current	\$14.1
		do E. J. Pullman	Clide pletes	14.4
		E.J. Puliman	doSlide plates Albumen plates Films	.8 1.3
		do	Films	8.0
		M Du Ponom	Plugs, etc Fan motor Tubing, etc Galvanized ells	1.9
		do	Fan motor	12.5
		do do Thos. Somerville & Sons do W. Silas Sheetz do	Tubing, etc	28.4 8.3
		do	Apparatus Metal plate Scale, etc. Plate holders, etc.	42.2
		W. Silas Sheetz	Metal plate	1.0
		do	Scale, etc.	3 4
			Plate holders, etc.	22. 0 2. 3 7. 9
		Mackall Bros do	Chemicals	7.0
			Chemicalsdo Maps	7 (
		do	do Lime Carpet	.2
		J. T. Walker Sons	Lime	0
		Clark & Davenport	Carpet	19.2
	- 3	The J. C. Ergood Co	Pearline, etc	3.6
		W B Moses & Sons	Tacks, etc	15. 6 23. 1
		F. W. Bolgiano & Co	Potash etc	1.0
	25	Washington Southern Rwy, Co	Potash, etc. Transportation.	7.9
		Brentano do J. T. Walker Sons Clark & Davenport The J. C. Ergood Co Rudolph, West & Co W. B. Moses & Sons F. W. Bolgiano & Co Washington Southern Rwy. Co	Drayage	1.1
		J. B. Hoffman Jennsylvania R. R. Co Oswald Weigel	Drayage	11.2
		Oswald Waigal	Transportation	71. ( 199. *
		C O Townsend	Fungi Traveling expenses Gas	123. 7
		Washington Gaslight Co	Gas	6.1
	26	C.O.Townsend Washington Gaslight Co. Galveston, Harrisburg and San Antonio Rwy.Co.	Passenger transportation	37.8
		The Chicago, Burlington and Quincy R. R. Co.	do	4.4
	1	do Pennsylvania R. R. Co. do Chicago and Alton Rwy. Co	do	17.8 6.5
	1	do	do	33. (
		Chicago and Alton Rwy. Co	do	8.9
		do	do	8.9
		The Yazoo and Mississippi Valley R. R. Co.	do	9.5
		do The Yazoo and Mississippi Valley R. R. Co- Central of Georgia Rwy. Co Nashville, Chattanooga and St. Louis Rwy.	do	7.5 4.6
		Co. The Wahash R R Co.	do	25.9
		The Wabash R. R. Co Illinois Central R. R. Co	do	25.8 22.7
		New York, New Haven and Hartford R. R.	do	8.0
		Co. Gulf, Colorado and Santa Fe Rwy. Co. Andrew M. Soule Louisville and Nashville R. R. Co.	do	4.3
		Andrew M. Soule,	do	25.6
2	29	Louisville and Nashville R. R. Co	do	4.9 23.5
		Southern Rwy. Co	IZI o otavio omenali on	23. 5
		P H Doreatt	Travaling avances	31. 9
	30	Southern Rwy. Co. Neely Electric Construction and Supply Co. P. H. Dorsett. Erwin T. Smith et al	Salaries	3,669.1
		Total fourth quarter		26,085.7
.1		Supplemental.	a i	205
ıly	2	P. H. Dorsett C. S. Shear N. B. Pierce	Tus voling experses	185. 4 29. 1
	3	N B Pierce	Expenses	305. 7
		do	Salary	206.0
		H. von Schrenk	do	206. 0 79. 1
		G. G. Hedgcock	do	79.1
		A. M. Soule	Expenses	73.0
		N. B. Pierce  do  do  H. von Schrenk G. G. Hedgeock A. M. Soule do  do  F. W. Faurot Perley Spaulding Alfred Atkinson L. A. Fitz E. G. Schollander H. C. Henricksen M. B. Lacy L. H. McCullough N. Lind Elias Nelson J. L. Sheldon J. L. Sheldon J. E. Hite H. K. Mooney	do	24. 7 60. 0
		Perley Spaulding.	do	60.0
		Alfred Atkinson	do	50.0
		L. A. Fitz	do	50.0
		E. G. Schollander	do	50.0
		H. C. Henricksen	do	49.5
		I. H. McCullough	do	49. 5 40. 0
		N. Lind	do	40.0
		Elias Nelson	do	40.0
		F W 0.4 4 4	3	
		J. L. Sheldon	do	25.6 25.0

# $Expenditures \ of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1903-- {\tt Cont'd}.$

Date.	Name.	Nature of payment.	Tota
1000	. $Supplemental$ —Continued.		
1903. ily 3	J. E. Converse	Salary	\$25
ily o	C. T. Rumbals	do	18
	P. H. Rolfs do	Expenses	Ę
	do	Transpolin or orresponded	16
e	do R. E. B. McKennedy	Salary Traveling expensesdo	164
6	W. A. Orton	Traveling expenses	67
	W. A. Ortondo	do	17 16
10	Alex. Carlyle N. M. Kelley S. Balz J. L. Sheldon	Salary	150
	N. M. Kelley	do	56
	S. Balz	do	55
	J. L. Sileidon	do	24 40
	F. R. Holzman Chris. Christensen J. S. Cole	do	40
	J. S. Cole	dodo	50
			50
	J. B. Evans do R. A. Moore	do	50
11	P A Moore	Traveling expenses	22
11			114
	Perley Spaulding B. M. Duggar Ernest Betz	Salary Traveling expenses do	15
	B. M. Duggar	a -	95
	Ernest Betz	Making copper dish	
13	do Church & Stephenson C.O. Townsend	Skylight	57
19	C O Townsend	Traveling expenses	14 14
	do	Making copper dish Skylight Lumber Traveling expenses Expenses Expenses	38
	G. P. Killian Co		6
$\frac{14}{15}$	A. W. Edsen C. Becker	Traveling expenses	11 40
15	C. Becker		40
	Folmer & Schwing Manufacturing Co Bausch & Lomb Optical Co	Camera Photo supplies Wire screens Salary	82 36
	T. W. Smith	Wire screens	10
	T. W. Smith W. T. Swingle The M. Lindsay Rubber Co. J. S. Topham.	Salary	185
	The M. Lindsay Rubber Co	Gum	8
	J. S. Topham	Trunk	4
16	J. L. Loose The G. W. Knox Express Co	Plants Transportation	4
10	do :	do	
	Washington, Alexandria and Mount Vernon Rwy. Co.	Trip tickets	6
	non Rwy. Co.	C1 1	06
17		Chemicals Car tickets	68 5
11	Washington Rwy. and Electric Co Church & Stephenson L. C. Corbett	Laumber	22
	L. C. Corbett	Traveling expenses	22 28
			16
18	J. McL. Dodson T. W. Smith Eimer & Amend Whitall, Tatum & Co	Lime Wire screens	38
20	T. W. Smith	Wire screens Files	21 21
20	Whitall Tatum & Co	Bottles	6
		do	ě
	E. S. Schmid	Tobacco dust	8
24	Woodward & Lothrop	Jar rubbers	101
21	Woodward & Lothrop Mackall Bros. Rudolph, West & Co E.J. Pullman	Chemicals Screws, etc	461 18
	E J Pullman	Plates	16
22	Library Dureau		2
	A. H. Thomas Co Berger Bros	Sterilizer Copper box	8
23	Berger Bros	Copper box	
	M. A. Carleton	H'ynangeg	112
24	N. B. Pierce	Rent of gardens Salary	125 12
Q-#	E. C. Chilicott J. W. Cardy	Hills ofc	20
	Schnieders Bros	Psychrometers	4
	F. G. Tracy L. W. Holt	Planting cotton	50
	L. W. Holt	Eiling aggs	50
	Buxton & Skinner Stationery Co Erker Bros. Optical Co do	Filing cases Films, etc	26 29
	do	Photo supplies	28 47
	do	do	48
	C. R. Rockwood The Carborundum Co. Wm. Krafft	Planting cotton	25
	The Carborundum Co	Corborandum erystal	1
	Wm. Krafft	Balsam	17
	J. F. Beck	Micrometer, etc Copper tank	8
	Perley Spaulding	Traveling expenses	54
	Perley Spaulding S. M. Tracy G. L. Taber E. O. Painter Fertilizer Co	Rent, etc	8
			150

# Expenditures of Department of Agriculture for year ending June 30, 1903—Cont'd. VEGETABLE PATHOLOGICAL INVESTIGATIONS—Continued.

Dat	te.	Name.	Nature of payment.	Total.
		Supplemental—Continued.		
190	3.	Supplemental—Continued.		
July	25	M. B. McRae	Carpenter work	\$42.75 12.96
		W. S. Sheetz	Plates, etc	12.96 10.85
	28	S. M. Tracy	Salary	50.00
	29	W. S. Sheetz M. G. Copeland Co. S. M. Tracy H. A. Miller	Awnings Salary Traveling expenses Service	14.90
		The Chesapeake and Potomac Telephone Co.	Service	6. 25
			do	6. 25 7. 70 17. 23 8. 25
		do Washington Gaslight Co Potomac Electric Power Co Norfolk and Washington Steamboat Co Herman & Kohlbausch Whitall Tatum & Co C. O. Rund W. M. Hayes M. Du Perow	Gas Current Transportation	7.70
		Norfolk and Washington Steamhoat Co	Current	17.23
		Herman & Kohlbausch	Apparatus	102, 20
		Whitall. Tatum & Co	Apparatus Test tubes	. 33
Aug.	. 1	C. O. Rund	Salary	40, 00 201, 70
	4	M. Du Perow	Sockets, etc.	3.65
	5	M. Du Perow Delaware, Lackawanna and Western R. R. Co.	Sockets, etc	48.60
	8	L. A. McCullough	Traveling expenses Expenses	6.61
		W. A. Ortondo do J. McL. Dodson C. S. Kessler & Bros G. T. Moore C. O. Townsend Thos. Somerville & Sons. K. F. Kellerman P. H. Rolfs H. von Schrenk B. M. Duggar J. B. Evans. F. W. Bolgiano & Co. W. B. Moses & Sonsdo	do	9. 49 7. 00 7. 80
	10	J. McL. Dodson	Lime	7.80
	12	C. S. Kessler & Bros	Auto pumps	10.00 35.00
	14	C. O. Townsend	do	31. 75 14. 13
	7.0	Thos. Somerville & Sons	Leather belting	14.13
	13 14	K. F. Kellerman	Traveling expenses	4,20 30.18
	7.4	H. von Schrenk	do	104.61
		B. M. Duggar	do	40.80
	15	J. B. Evans	Traveling expenses	14.50
	19	W. B. Moses & Sons	Table etc	14.50 5.50 19.50
		do	Rugs	4.90
		Thos, Somerville & Sons	Valves, etc	5. 27 90. 34
		Thos. Somerville & Sons C. P. Hartley The Blue Line Transfer Co	Traveling expenses Transportation	4. 42
		Adams Express Co Z. D. Gilman A. A. Winfield Z. D. Gilman	do	21. 50
		Z. D. Gilman	Tubing Sugar Chemicals	4.49
		Z. D. Gilman	Chemicals	. 53 34. 22
		Andrew J. Lloyd & Co Emil Greiner Charles Cooper Co Field Force Pump Co Reasoner Bros A. C. Bowers S. H. Pandleton	Tubing	1.18
	17	Andrew J. Lloyd & Co	Speed tester	. 50 1. 40
		Charles Cooper Co	Cells 20 pounds sulphuric acid Spray nozzles	3, 00
		Field Force Pump Co	Spray nozzles	9.00
		Reasoner Bros	Palms Lumber	13. 10 40. 38
		S. H. Pendleton	do	37, 66
		S. H. Pendleton S. C. Wright William F. Lutz W. E. Marvin	Pipe, etc	37.66 37.30 67.50
		William F. Lutz	Wagon	67.50 25.00
		ALA HOWE	do Pipe, etc Wagon Cultivating alfalfa Bibliography cards Tank Water bath Expenses do	27, 82
		Flint & Walling Manufacturing Co Arthur H. Thomas Co	Tank	66.33 60.50
	19	D H Dolfe	Water bath	60.50 86.50
		Newton B. Pierce	do	90.84
	20	Newton B. Pierce Houghton & Delano C. P. Hartley W. H. Dyer	do Photographic supplies Expenses	90. 84 54. 75 66. 88
	21	U.P. Hartley	Expenses Box	66.88 8.50
		W. H. Dyer The Fred. Macey Co. (Limited) Joseph S. Chamberlain Mackall Bros W. Silas Sheetz	Sections	38, 00
	24	Joseph S. Chamberlain	Sections Expenses Chemicals Camera, etc	. 40 9.07
	25	Mackall Bros	Chemicals	
		do	Lens.etc	63.40 43.33
		P.H. Rolfs	Lens.etc Expenses	19.05
	27	Challenge Wind Mill and Feed Mill	do	38.09 320.00
	A-1	Thomas Somerville & Sons	Engine Valve	13.50
0		Thomas Somerville & Sons Church & Stephenson Newton B. Pierce	Valve Lumber	45.09
Sept	. 1	Newton B. Pierce	Expenses	70.34
	3	H. J. Webber L. A. Fitz Hugh Reilly	do	116.00 7.05
	4	Hugh Reilly	Glass lights	9, 62
	10	M Du Ponom	Dools form	9.84
	11	M. Du Perow W. E. Dyer D. B. Swingle R. H. True	Desk fans Binders	59.40 12.00
	18	D.B. Swingle	Expenses	3.43
		R.H. True	Traveling expenses	7.70

#### VEGETABLE PATHOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total
	Supplemental—Continued.		
1903.	**		
Sept. 18	Western Union Telegraph Co	Telegraph service	\$20.
	do	do	6.
	Postal Telegraph Cable Co Washington Southern Rwy. Co do	The new onto time	15.
	do	do do	13
	Pennsylvania R. R. Co.	do	25
	do	do	48
	do	do	22
	Louisville and Nashville R. R. Co. Chicago, Rock Island and Pacific Rwy. Co. Seaboard Air Line Rwy	do	14
19	Chicago, Rock Island and Pacific Rwy. Co.	do	3
	Seaboard Air Line Rwy	do	5 30
	Florida East Coast Rwy Pennsylvania Co		10
	The Wabash R. R. Co.	do	11
	The Chesaneake & Ohio Rwy, Co	do	29
	Southern Railway Co New York, Philadelphia and Norfolk R. R.	do	58
	New York, Philadelphia and Norfolk R. R.	do	16
	Co.		
	Atlantic Coast Line R. R. Co	do	15
	do		24
	do	do	15 7
	do New York Central and Hudson River R. R.	do	3
	Co.		9
		do	24
22	Pennsylvania R. R. Co	do	36
	do	do	
	Chesaneake and Ohio Rwy. Co	do	1
	do	do	10
ct. 5	Washington Southern Rwy. Co B. M. Duggar	Conviosa	5 237
9	W. W. Jackson		9
10	Woodward & Lothron	Towels, etc	22
10	Woodward & Lothrop Thos. Somerville & Sons	Pipe, etc	33
	Z. D. Gilman	Beakers, etc	12
	Geo. F. Muth & Co	Cardboard	9
	do	Asphaltum, etc	3
10	United States Express Co	Transportation	73
12 21	J. E. Hurley '	Sprockets, etc Burner, etc	17
22	J. E. Hurley Bausch & Lomb Optical Co- Stark Bros. Nurseries	Labor, etc	15
1010	Whitall, Tatum Co	Jars	65
31	St. Louis and San Francisco R. R. Co	Passenger transportation	7
	Baltimore & Ohio R. R. Co	do	23
	Rutland R. R. Co	do	7
. ,	Southern Pacific Co	do	13
ov. 4	C.O. Townsend	Expenses	39
	Total.		8,579
	10041		0,919
	RECAPITULA		07 F 0 F 0
	arter		\$15,853
	quarter		
	narter quarter		

# VEGETABLE PATHOLOGICAL INVESTIGATIONS. SETTLED BY TREASURY.

Date.	Name.	Nature of payment.	Total.
1903. Jan. 24 Mar. 4 Sept. 21	Southern Pacific CododoCalifornia Rwy. Co.Pennsylvania R. R. Co	Passenger transportation do	\$48.80 21.50 77.75 77.75 77.00 

### Expenditures of Department of Agriculture for year ending June 30, 1903—Cont'd. VEGETABLE PATHOLOGICAL INVESTIGATIONS.

#### [Appropriation for 1902–3.]

Date.	Name.	Nature of payment.	Total.
1902.			22 410
une 30	Erwin F. Smith et al		\$2,418.9
	Total fourth quarter, 1902		2,418.9
uly 2	Chas. T. Curtis	Salary	5.0
	Perley Spaulding	do	40.
	P. H. Dorsett C. L. Shear	do	148.
10	C. L. Shear	Traveling expenses	16.
	Total first quarter, 1903		209.
Tov. 18	Baltimore and Ohio R. R. Co	Passenger transportation	8.0
	do	do	2.0
	Pennsylvania R. R. Co		6.
	Total second quarter		16.
1903. an. 5	Newton B. Pierce	Microscopic instruments, etc	168.
15	H. C. Henricksen	Salary	50.
	Alex. Carlyle	do	50.
	L. H. McCullough	do	40.
	F. R. Holzmann	do	40.
	J. L. Sheldon	do	25.
90	Caroline T. Rumbold	do	25.
eb. 23	Elias Nelson Mark B. Lacy	do	40. 51.
en. s	Elias Nelson	do	41.
	F. W. Faurot		60.
	Perley Spaulding	do	60.
	Perley Spaulding Nora M. Kelley A. J. Meyer	Services	60.
	A. J. Meyer	Salary	50.
	Jno. S. Cole	00	50.
	E. G. Schollander	do	50.
	Leslie A. Fitz	do	50.
	J. E. Hite	do	25.
	H. K. Mooney Caroline T. Rumbold	do	25.
	Andrew M. Soule	do	25. 25.
5	Christ. Christensen		23. 40.
9	L. H. McCullough	-do	40.
	S. M. Tracy	do	50.
	S. M. Tracy Geo. G. Hedgcock	do	82.
	H. C. Henricksen	do	51.
	J. B. Evans	do	50.
17	Eimer & Amend M. B. Wait	Duty on polariscope	67.
ar. 12	M. B. Wait	Traveling expenses	48.
	Total third quarter		1,443.
	RECAPITUL	ATION.	
	uarter, 1902		0 170

Firs Seco	rth quarter, 1902 t quarter, 1903 ond quarter rd quarter	209.30 16.67
1 1111	•	1,445.05

#### VEGETABLE PATHOLOGICAL INVESTIGATIONS—RENT.

Date.	Name.	Nature of payment.	Total.
1902. Aug. 8 Sept. 2	Tyler & Rutherford (Incorporated)do	Rentdo	\$133.33 133.33
	Total first quarter		266.66
Oct. 5 Nov. 5 Dec. 12	Tyler & Rutherford (Incorporated) do	Rentdodo	133. 33 133. 33 133. 33
	Total second quarter		399.99

#### VEGETABLE PATHOLOGICAL INVESTIGATIONS—RENT—Continued.

Date.	Name.	Nature of payment.	Total.
1903. Jan. 12 Feb. 19 Mar. 16	Tyler & Rutherford (Incorporated) do do	Rentdodo	\$133, 33 133, 33 133, 33
	Total third quarter		399, 99
Apr. 4 May 2 21 June 13	Tyler & Rutherford (Incorporated) Amanda E. Brown Tyler & Rutherford (Incorporated) do	Rent	133, 33 240, 00 133, 33 133, 33
	Total fourth quarter		639.99
	Supplemental.		
July 24 Aug. 7	Tyler & Rutherford (Incorporated)	Rentdo	133.33 60.00
	Total		193.33
	RECAPITULA	TION	
Second of Third qu Fourth of	urteruarter uarter uarter uarter ental		399, 99 399, 99 639, 99

#### POMOLOGICAL INVESTIGATIONS.

Date.	Name.	Nature of payment.	Total
1902.			
uly 12	H.P.Gould	Traveling expenses	\$7.
16	Schneider Bros	Thermometers, etc	6.
17	E. Morrison Paper Co	Dodgers	11.
	do	Tissue paper	
	E. J. Pullman	Tripod, etc.	113.
19	W.A. Taylor	Traveling expenses	24.
	Geo. C. Hussman	do	29.
25	J. T. Walker Sons		1.
	E. J. Pullman	Kodak	5.
	do	Flash lights, etc	5.
	Frank B. Read	Fruit paper	2.
	do	Fruit wraps	
- 26	G. Harrold Powell		
100	W. A. Taylor		
	H. P. Gould		
	Theodor Leonhard	Beeswax	
	Draper Manufacturing Co		
28	United States Envelope Co		
40	do		
30	H. P. Gould		
90	dodo		
31	Wm. A. Taylor et al.	Salaries	
ug. 4	Daniel Hiser	Pots	
ug. T	G. H. Powell		
	Draper Manufacturing Co.		
6	H. P. Gould.		
0	G. H. Powell		19
	E. J. Pullman		4
	do	Solio print	
	R. P. Andrews & Co.		
	do	Labels	
	do	Blotters	
8	Mackall Bros	Sulphate copper	
0	Rudolph, West & Co		
	Woodward & Lothrop		
	E. P. Schmitz		
	C. C. Pursell	To 1	
11	Lamb & Tilden		
14	H. P. Gould		
14	G. H. Powell		4.0
	W. B. Moses & Sons		

#### POMOLOGICAL INVESTIGATIONS—Continued.

Date	·.	Name.	Nature of payment.	Total.
1902.				
ug. I	16	Yawman & Erbe Manufacturing Co. F. B. Read Southern Rwy Co. Washington Southern Rwy Co. Julien P. Frieze. G. Harrold Powell E. Morrison Paper Co. W. Silas Sheetz. Jno. C. Parker E. J. Pullman Blue Line Transfer Co. Geo. C. Husmann G. H. Powell W. A. Taylor et al. Wolf Bros. E. J. Pullman W. A. Taylor. Pennsylvania R. R. Co. do. Seaboard Air Line R. R. Co. G. H. Powell	Cards Fruit paper Passenger transportation do	87. 25.
		F. B. Read	Fruit paper	25.
1	18	Southern Rwy Co.	Passenger transportation	16.
		Washington Southern Rwy Co	do	10. 67.
2	23	Julien P. Frieze	Thermographs	67.
	25	G. Harrold Powell	Traveling expenses	5.
2	26	E. Morrison Paper Co	Bags Chemicals File case Photographic supplies Transportation	7. 1.
		W. Silas Sheetz	Chemicals	1.
		Jno. C. Parker	File case	10.
		E. J. Pullman	Photographic supplies	2.
		Blue Line Transfer Co	Transportation	52. 12.
2	28 30	Geo. C. Husmann	Traveling expenses	52.
5	30	G. H. Powell	Transportation Traveling expensesdo	12.
		W. A. Taylor et al	GO Salaries Envelopes Prints Traveling expenses Passenger transportation.	1,598.
pt.	3	Wolf Bros	Envelopes	8.
	8	E.J. Pullman	Prints	1.
		W. A. Taylor	Traveling expenses	49.
1	18	Pennsylvania R. R. Co	Passenger transportation	22.
		do	do	19.
		Seaboard Air Line R. R. Co	do	31.
2	30	G. H. Powell	Traveling expenses	3.
2	24	Wm. A. Taylor	do	12.
3	30	G. H. Powell Wm. A. Taylor W. A. Taylor et al	do	12 1.701
		Total first quarter		5,751
t.	3	G. Harrold Powell	Traveling expenses	79
	0	G. Hartold Towell S. H. Fulton G. B. Brackett E. C. Butterfield S. H. Fulton	do	97
1	10	G B Brackett	do	97. 10.
1	LU	E. C. Butterfield	do	5
		S H Fulton	do	16
		H. P. Gould	do	70
		Wm. A. Taylor	Expenses	139
		do	do	80.
9	21	do Yawman & Erbe Manufacturing Co E.J.Pullman	do Binding cases	19.
-	-1	E. I. Pullman	Tripod	9
		do	Photographic supplies	2. 2.
		do do	Plates	4
		W. Silas Sheetz Wesley Webb Houghton & Delano M. Marx Bennett	Photographic supplies	8.
		Wesley Webb	Specimens	15.
9	22	Houghton & Delano	Seed plates	6.
	-	M. Marx Bennett	Paintings	10.
2	27		Traveling expenses	11
		do	do	11. 10.
		do	do	14
		- do - do - H. P. Gould - do -	Binding cases Tripod Photographic supplies Plates Photographic supplies Specimens Specimens Seed plates Paintings Traveling expenses do do do	123
		do		3
		Hugh Reilly	Glass	23
		R. P. Andrews & Co. (Incorporated)	Fruit wraps	10
	Į.	E. Morrison Paper Co	Newspaper wraps	11
		Hugh Reilly R. P. Andrews & Co. (Incorporated) E. Morrison Paper Co Alex. Schmid	do Glass Fruit wraps Newspaper wraps Boxes Traveling expenses do Apples Tube, etc Case Tables Salaries	19
			Traveling expenses	15
		do	do	15 4
2	28	do F. Newhall & Sons	Apples	39
2	29	M. Du Perow	Tube, etc.	7
		F. Newnali & Sons M. Du Perow Jno. C. Parker W. B. Moses & Sons Wm. A. Taylor et al H. B. Wayland G. G. Hutchings M. Roeke	Case	3
		W. B. Moses & Sons	Tables	2
	31	Wm. A. Taylor et al	Salaries	1,744
v.	1	H. B. Wayland	Apples	54
		G.G. Hutchings	do	5
		M. Reeks	do	13
		Edwd. Hutchins	do	20
		The J. B. Orcutt Co	Crates	9
	1	J. W. Rockwell	Boxes	6
		J.F. Taylor	Apples	21
		Wolf Bros	Envelopes	2 14
		M. Keeks Edwd. Hutchins The J. B. Orcutt Co J. W. Rockwell J. F. Taylor Wolf Bros Montgomery Door and Box Co	Apples Envelopes Boxes Boxes, etc	14
		do	Boxes, etc	101
		Reading Terminal Market do G. H. Rivenburg & Co	Pears	7
		do	Storage Freightdo	6
		G. H. Rivenburg & Co	Freight	9
		ao	do	9
			do	10
		T. A. Farrand	do	6.
	0	W.T. Flournoy	Apples	2.
	3	Lamb & Tilden	Stencil plate and letters	1
		Hugh Reilly	Apples Stencil plate and letters Shellac and brushes	1.
		K. P. Andrews & Co. (Incorporated)	Paperdo	1.
		3		1.

# $Expenditures \ of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1903-{\tt Cont'd}.$

## ${\bf POMOLOGICAL\ INVESTIGATIONS-Continued.}$

Date.	Name.	Nature of payment.	Total.
1902. Nov. 3	P. D. Anduovia & Co. (Incomposited)	Flurit groups	610.0
NOV. 5	R. P. Andrews & Co, (Incorporated)	Fruit wraps	\$10.0 10.0
	E. Morrison Paper Co	do	7.5
	do	do	7.5 7.5 2.8
	do	Cards	2.8
	E.J. Pullman	Camera, etc	103.8
	E.J.Pullman do	Camera, etc Films Silver prints, etc Rubber cloth Hinges, etc Transportation do Fruit wraps Traveling expenses do Transportation Envelopes	5. 4 9. 7
	do do Rudolph, West & Co The Geo. W. Knox Express Co do Frank B. Read (H. Harrold Powell do W. D. Pisclow	Rubber cloth	3
	Rudolph, West & Co	Hinges, etc	9.5
4	The Geo. W. Knox Express Co	Transportation	. 3
5	Enonly D. Dood	Funit woons	70. 6
9	G. Harrold Powell	Traveling expenses	10.0
	do	do	29. 5
7		Transportation	1.0
10	Wolf Bros Geo. H. McKay W. H. Rupp, estate of	Envelopes	4.4
13	W H Rupp estate of	Desk pad	13. 2 . 6
10	do	do	. 7
	E.J. Pullman	Envelopes Envelopes Freight Desk pad do Plates Powders, etc	4.0
	do	Powders, etc.	.4
18	W. H. Rupp, estate ofdo E. J. PullmandoChurch & Stephenson F. A. Waugh Hartford Cold Storage Co Grant G. Hutchins W. T. Mann Julion P. Evieze	Lumber Freight	20. 2
17	Hartford Cold Storage Co	Storing fruit Apples	$\frac{1.5}{22.0}$
	Grant G. Hutchins	Apples	22.0 156.2
	W.T. Mann	do	14 (
	Julien P. Frieze Jno. R. Galloway Collateral Loan and Jewelry Co.	Pens Annunciator Gripsack	4.8
	Jno. R. Galloway	Annunciator	4.1
	Chas Wright	Peaches	50. 0
	Collateral Loan and Jewelry Co. Chas. Wright. Barber & Ross. M. Du Perow Jas. B. Lambie Geo. F. Muth & Co. Wm. A. Taylor	Stepladder	1.7
	M. Du Perow	Buttons	6.2
	Jas. B. Lambie	Label holders	6.2
	Geo. F. Muth & Co	Diamond plaster	2. 1 12. 1
	wm. A. Taylor	do	101.
18	Lehigh Valley R. R. Co Maricopa, Phoenix and Salt River Valley	Gripsack Peaches Stepladder Buttons Label holders Diamond plaster Traveling expenses do Passenger transportation.	11.2
10	Maricopa, Phoenix and Salt River Valley	do	4.0
	B. B. CO.		
	Southern California Rwy. Co- New York Central and Hudson River R. R.	do	4.7 8.5
	Co.		0, 6
	Codo Seaboard Air Line Rwy. Co Southern Rwy. Co Southern Rwy. Co Michigan Central R. R. Codo Baltimore and Ohio R. R. Codo New York, New Haven and Hartford R. R.	do	11.2
	Seaboard Air Line Rwy. Co	do	24.6
	Southern Rwy. Co	do	11.7 7.0
	Michigan Central R. R. Co	do	13.
	Baltimore and Ohio B. R. Co	do	25.
	do	do	25. 4 12. 7 4. 4
	New York, New Haven and Hartford R. R.	do	4.4
	Co.	a.	
	The Pennsylvania R. R. Co	do	24.4 152.5
	do	do	20.
	do Central of Georgia Rwy. Codo do Central New England Rwy. Cocentral R. R. Co. of New Jersey Mrs. Geo. E. Boggs. W. B. Moses & Sons. The Pennsylvania R. R. Codo E. J. Pullman S. H. Fulton G. H. Rivenburg & Co	do	19.
	do	do	3.
	Central New England Rwy. Co.	do	1.
10	Central R. R. Co. of New Jersey	Apples eta	6. 11.
19	W B Moses & Sons	Hassocks	1.
20	The Pennsylvania R. R. Co.	Passenger transportation	12.
	do	do	34. 1.
22	E.J. Pullman	Solio prints	1.9
	S. H. Fulton	Traveling expenses	28.0 9.3
	Vawman & Erbe Manufacturing Co	Cards	23.
	The first the last be blanched thing of the	Salaries	1,654.0
29	W. A. Taylor et al	Traveling expenses	12. 4.
29 ec. 1	W. A. Taylor et al G. H. Powell		4.
ec. 1	W. A. Taylor et al G. H. Powell Grant G. Hitchings	Apples	
	W. A. Taylor et al G. H. Powell Grant G. Hitchings Missouri Pacific Rwy. Co	Goslio prints Traveling expenses Transportation Cards Salaries Traveling expenses Apples Passenger transportation	
ec. 1	W. A. Taylor et al G. H. Powell Grant G. Hitchings Missouri Pacific Rwy. Co Central Rwy. Co. of New Jersey	I topocing of the topocing	2.
Dec. 1 2 3.	S. H. Fulton. G. H. Rivenburg & Co- Yawman & Erbe Manufacturing Co- W. A. Taylor et al. G. H. Powell Grant G. Hitchings. Missouri Pacific Rwy. Co- Central Rwy. Co. of New Jersey. do E. Morrison Paper Co.	I topocing of the topocing	2. 2. 5.
ec. 1	W. A. Taylor et al. (G. H. Powell Grant G. Hitchings Missouri Pacific Rwy. Co Central Rwy. Co. of New Jersey do E. Morrison Paper Co The Maurice Joyce Engraving Co	I topocing of the topocing	2.1 2.1 5.1 1.0
Dec. 1 2 3.	W. A. Taylor et al G. H. Powell Grant G. Hitchings Missouri Pacific Rwy. Co Central Rwy. Co. of New Jersey do E. Morrison Paper Co The Maurice Joyce Engraving Co The Smith Premier Typewriter Co	I topocing of the topocing	2.1 2.1 5.1 1.0 2.0
Dec. 1 2 3.	W. A. Taylor et al G. H. Powell Grant G. Hitchings Missouri Pacific Rwy. Co Central Rwy. Co. of New Jersey do E. Morrison Paper Co The Maurice Joyce Engraving Co The Smith Premier Typewriter Co Geo. J. Dodd	I topocing of the topocing	2. 2. 3. 5. 4. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.
Dec. 1 2 3.	W. A. Taylor et al G. H. Powell Grant G. Hitchings Missouri Pacific Rwy, Co Central Rwy, Co. of New Jersey do E. Morrison Paper Co The Maurice Joyce Engraving Co The Smith Premier Typewriter Co Geo. J. Dodd S. L. Lupton Geo. H. Rivenburg Reading Terminal Market Co	I topocing of the topocing	2. 2. 5. 1. 2. 1. 2. 1

# Expenditures of Department of Agriculture for year ending June 30, 1903—Cont'd. POMOLOGICAL INVESTIGATIONS—Continued.

Dat	te.	Name.	Nature of payment.	Total.
190	2.			*0.00
190 Dec.	10	W. B. Moses & Sons	Hassocks and shades	\$3.30 115.00
	11	W. A. Taylor W. M. French	Expenses	14 00
	12 19	W. B. Moses & Sons W. A. Taylor W. M. French Pennsylvania R. R. Co do Baltimore and Ohio R. R. Co New York Central and Hudson River R. R.	Passenger transportation	1. 83 43. 19 2. 88
	20	do	do	43.19
		Baltimore and Ohio R. R. Co	do	2. 80 1. 78
		Co.	uo	1.10
		Southern Rwy. Co	do	26.50
		New York, New Haven and Hartford R. R.	do	20.84
		Co The Lake Shore and Michigan Southern		13.50
		Pww Co		
	31	G. Harold Powell W. A. Taylor et al	Traveling expenses	29.6
		W. A. Taylor et al	Salaries	1,701.29
		Total second quarter		7,857.2
		Total second quarter services		
190	3.			000 4
Jan.	3	Geo. C. Husmann	Traveling expenses	292. 10 14. 6
	5	Geo. C. Husmann S. H. & E. H. Frost do do	do	15. 8
		do	do	21.19
				41.5
		S.H. Derby	Pears Apples Pears	1.4 80.3
		do	Apples	80.3 679.7
		The Bunnell Telegraph and Electric Co	Wire	6.6
		do The Bunnell Telegraph and Electric Co. The Geo. W. Knox Express Co. Western Cold Storage Co	Pears Wire Transportation Storage, etc Pears, etc Freight, etc Peaches	. 6 1. 8 16. 7 27. 3
	6	Western Cold Storage Co	Storage, etc	16.7
		Western Cold Storage Co F. M. Bradley Reading Terminal Market H. W. Miller C. W. Nicholds W. B. Moses & Sons Clark & Davenport Wyckoff, Seamans & Benedict G. Herold Powell	1 cars, etc	27.3
		Reading Terminal Market	Pagebas	1. 0 20. 8
		C. W. Nicholds	Box shooks	2. 8
	12	W. B. Moses & Sons	Typewriter cover	1.00
		Clark & Davenport	Carpets, etc	183. 4: 14. 50
	14	Wyckoff, Seamans & Benedict	Repairs to typewriter	14. 50 4. 30
	1+	G. H. Fulton East Shore of Virginia Produce Exchange. A. A. Boggs J. H. Hale S. H. Derby Z. A. Gilbert	Freight, etc Peaches Box shooks Typewriter cover Carpets, etc Repairs to typewriter Traveling expenses do Potatoes Apples	14.4
	15	East Shore of Virginia Produce Exchange	Potatoes	123.73
		A. A. Boggs	Apples Carriers Apples, etc.	5. 0 62. 9
		J. H. Hale	Carriers	62, 9 15, 7
		Z A Gilbert	Apples, etc.	5.0
		Yawman & Erbe Manufacturing Co	Cards	25. 2
		Z. A. Gibert Yawman & Erbe Manufacturing Co Fred L. Bradley G. Harold Powell.	Apples. Traveling expenses Salary Peaches Slides	81.0
	17	G. Harold Powell	Traveling expenses	6.4
	19 20	W. K. Wonders. J. H. Hale Chas. Quartley Postal Telegraph Co Blue Line Transfer Co Georgian Railroad Philadelphia and Reading Rwy. Co Atlantic City R. R. Co. The Lake Shore and Michigan Southern Rwy. Co	Pagehas	13.0 267.5
	100	Chas. Quartley	Slides	267. 5 7. 5 3. 4
	22	Postal Telegraph Co	Service	3.4
	24	Blue Line Transfer Co	Transportation	4.9
	24	Philadelphia and Reading Rwy Co	do	4. 9 3. 7 2. 5
		Atlantic City R. R. Co.	do	1.0
	26	The Lake Shore and Michigan Southern	do	26.0
		Rwy. Co.	a -	0.4
		Rwy. Co. New York Central and Hudson River R. R. Co.	do	2.4
		Southern Pacific Co	do	7.00
		R. R. Co. Southern Pacific Co. The Yazoo and Mississippi Valley R. R. Co. Michigan Central R. R. Co. New York, New Haven and Hartford R. R.	do	6.00
	27	Michigan Central R. R. Co	do	14. 98 2. 28
				2.2
		Baltimore and Obio R. R. Co.	do	4.00
		do The Cleveland, Cincinnati, Chicago and St.	do	18.57
		The Cleveland, Cincinnati, Chicago and St.	do	16.00
		Louis Rwy. Co. Louisville and Nashville R. R. Co. J. A. Ballinger Jno. J. Rosa. Wyckoff, Seamans & Benedict. Wm. A. Taylor et al. Whitford Bros. & Co. S. H. & E. H. Frost. Woodward & 1 othrop United States Express Co. E. J. Pullman. do.	do	10.00
	29	J. A. Ballinger	Potatoes	16.09 83.75
		Jno. J. Rosa	do	30.00
	0.4	Wyckoff, Seamans & Benedict	Typewriter	40.00
Feb.	31	Wm. A. Taylor et al	Salaries	1,805.55
reb.	3	S H & E H Frost	Export charges	1,805.55 16.50 17.30
	7	Woodward & + othrop	Desk	17. 50
	9	United States Express Co.	Desk Transportation Printing Flash sheets	4. 95
		E. J. Pullmando	Printing	. 6- 1. 50

# Expenditures of Department of Agriculture for year ending June 30, 1903—Cont'd. POMOLOGICAL INVESTIGATIONS—Continueā.

Date.	Name.	Nature of payment.	Total.
1903.			
Feb. 9	E. Morrison Paper Co	Manila paper	\$2.5
11	Edw. S. Schmidt	Manure	2.0
12	Yawman & Erbe Manufacturing Co	Guides	4.0
16	Hy S Chanffe	Pecans etc	31.6
10	G. H. Powell	Traveling expenses	38.7 17.4
	S. H. & E. H. Frost	Apples	17.4
177	Theo. Leonhard	Beeswax	27.0
17 18	The Overen Pailwood and Navigation Co.	Wheel for dater	1.1 10.5
19	Baltimore and Ohio R. R. Co	do	17.0
	Pennsylvania R. R. Co.	do	43.7
	Atlantic Coast Line R. R. Co	do	24.0
	Terre Haute and Indianapolis R. R. Co.	do	19. (
	W Siles Shoetz	Scales etc	23. 6
20	S. H. & E. H. Frost	Freight charges	4.5 36.7
21	E. J. Pullman	Paper	. 7.1
0.1	do	Prints	. 7.1
24 28	G. Harold Powell	Traveling expenses	$\frac{6.6}{2.2}$
40	Wm A Taylor et al	Salaries	1,626.4
Mar. 3	S. H. & E. H. Frost	Freight on pecans	39.5
	E. Morrison Paper Co. Edw. S. Schmidt. Yawman & Erbe Manufacturing Co. Adams Express Co. Hy. S. Chauffe G. H. Powell S. H. & E. H. Frost Theo Leonhard Lamb & Tilden. The Oregon Railroad and Navigation Co. Baltimore and Ohio R. R. Co. Pennsylvania R. R. Co. Atlantic Coast Line R. R. Co. Atlantic Coast Line R. R. Co. Atchison, Topeka and Santa Fe Rwy. Co. W. Silas Sheetz. S. H. & E. H. Frost E. J. Pullman do G. Harold Powell Silas Wilson Wm. A. Taylor et al S. H. & E. H. Frost The Chesapeake and Potomac Telephone Codo	Service	39. : 6. :
	Co.	3	0.0
	do	do	6. 2 6. 2
	do	do	6. 2
5	The Geo. W. Knox Express Co	Transportation	5.1
	Jas. B. Lambie	Label holders	1.
11	Co. do do do The Geo. W. Knox Express Co Jas. B. Lambie Wm. A. Taylor do Darius E. Burton W. Silas Sheetz S. H. & E. H. Frost J. A. Ballinger	do do do Transportation Label holders Expenses	1.3
	Darius F. Burton	Wire	15.5
	W. Silas Sheetz	Plates	12.
14	S. H. & E. H. Frost	Transportation	12. 34.
16	J. A. Ballinger	Sweet potatoes	117.3
	S. H. & E. H. Frost	Transportation	44.
	G Harold Powell	Traveling expenses	201.
19	The Geo. W. Knox Express Co	Transportation	2.1
23	S. H. Fulton	Traveling expenses	33.
27 31	S. H. & E. H. Frost J. A. Ballinger S. H. & E. H. Frost Geo. T. Powell G. Harvold Powell The Geo. W. Knox Express Co S. H. Fulton Wyckoff, Seamans & Benedict W. A. Taylor et al	Adjusting typewriter	$\frac{8.5}{1,743.8}$
- 51			
	Total third quarter		8,461.
Apr. 2	Edw. S. Schmidt	Labels	1.5
6	W. A. Taylor	Traveling expenses	23.
7 13	Edw. S. Schmidt. W. A. Taylor Jas. S. Topham Woodward & Lothrop M. Du Perow Densmore Typewriter R. P. Andrews & Co. (Incorporated)	Chair enchions	2.
19	M Du Perow	Buzzer and button	
17	Densmore Typewriter	Repairs	1.
	R.P. Andrews & Co. (Incorporated)	Chamois bags	1. 1. 7.
10	Deltin and Ohio D. D. Co	Tag labels	٠,٠
18	Pennsylvania R. R. Co	Labels Traveling expenses Strap Chair cushions Buzzer and button Repairs Chamois bags Tag labels Passenger transportation do do do	22.
	Southern Pacific Rwv. Co	do	4.
	Pennsylvania R. R. Co	do	4.
25	G. Harold Powell	Traveling expenses	26.
90	The Draper Manufacturing Co	Thermometer chart	1 675
May 7	G C Huggmann	Travelingevnenses	1, 675. 142. 8.
BLAY 8	E. J. Pullman	Prints	8.
-	The M. Lindsay Rubber Co	Packing	
	Adams Express Co.	Transportation	16. 10. 2. 3. 1.
	United States Express Co	Typewriter attachment	10.
	R. P. Andrews & Co. (Incorporated)	Chamois skin	3.
	Postal Telegraph-Cable Co	Service	1.
13	G. Harold Powell	Traveling expenses	13.
16	Clark & Davenport	Hassocks, etc	3. 54. 14.
18	The Randolph Paper Boy Co	Cases	04. 14
20	E.J. Pullman	Photo supplies	1.
23	W. A. Taylor	Traveling expenses	10.
	H D Could	do	31.
	H.T. Gould		
29	J. C. Parker	Repairs	1 770
	Densmore Typewriter R.P. Andrews & Co. (Incorporated)	Repairs Salaries Passenger transportation	1,779.

# $Expenditures of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1903-Cont'd.$

#### ${\tt POMOLOGICAL\ INVESTIGATIONS-Continued}.$

Da	te.	Name.	Nature of payment.	Total.
190	)3.			00.10
June	3	Southern Pacific Co. The Texas Pacific Rwy. Co. Pennsylvania R. R. Co. Morgan's Louisiana and Texas Railroad	do Passenger transportation	\$3.10 3.10
		Pennsylvania R. R. Co.	do	59.20
				2.40
		do	do	3.60
	- 4	Baltimore and Ohio R. R. Co- New York Central and Hudson River R. R.	do	2. 88 2. 96
	5	The Pierce-Williams Co	Berry cratesdo	18.75 16.00
	6	William A. Taylor	Expenses Typewriter Hasps Paper Chemicals	53, 96
	9 10	Wagner Typewriting Co	Typewriter	87.50 .60
	10	E. Morrison Paper Co	Paper	5. 50
	12	Co. The Pierce-Williams Co South Side Manufacturing Co. William A. Taylor Wagner Typewriting Co Barber & Ross. E. Morrison Paper Co. W. Silas Sheetz. W. B. Moses & Sons. E. I. Pullman	Chemicals Shades	. 80 5. 00
	12		Prints	4.18
	16 19	G. Harold Powell G. Marshall Woodrow	Prints Traveling expenses Manuscript	51.95
	20	The Bennett Telephone and Electric Co	Wire	24. 33 . 48
	20 22 23	The Hammond Typewriter Co	Wire Mimeograph Repairs to lamp Photo supplies	16, 00
	23	E. J. Pullman	Photo supplies	. 20 2. 75
		do	do	9.58
		M. Du Perowdo	Desk tan	9, 90 9, 90
		G. Marshall Woodrow. The Bennett Telephone and Electric Co. The Hammond Typewriter Co. Potomac Electric Power Co. E. J. Pullman. do 'M. Du Perow. do Rudolph, West & Co. W. Silas Sheetz. Jas. S. Topham.	do	. 65
	25	Jas. S. Topham	Blueprint Repairs Passenger transportation	1.05 .75
	25 26	Jas. S. Topham. Pennsylvania R. R. Co. New York, New Haven and Hartford R. R.	Passenger transportation	. 75 28. 90
		Co		2, 75
		Central R. R. Co. of New Jersey	do	6.50
	29	The Wabash R. R. Co	do	26.00 9.90
		Central R. R. Co. of New Jersey The Wabash R. R. Co. Baltimore and Ohio R. R. Co Washington Southern Rwy. Co. W. A. Taylor et al	do	22.65
	30		1	1,648.65
		Total fourth quarter		6,098.37
	0	Supplemental.		10.00
July	2	Geo. H. Powell H. P. Gould G. C. Hussmann. W. A. Taylor G. P. Beveridge Alex. Schmidt The Hammond Typewriter Co W. S. Sheetz do	Traveling expenses	12.08 91.02
	6	G. C. Hussmann	do	60.55
	17 18	W. A. Taylor G. P. Beveridge	Expenses	112.60 75.00
		Alex. Schmidt.	Fence posts Mailing boxes Stand	14. 25 3. 50
	20	W. S. Sheetz	Glasses	3. 50 . 15
		do	Glasses. Chemicals Tripod. Letter press	3.00
	24	J. C. Parker	Tripod.	4.40 39.97
	25	South Side Manufacturing Co	Panel ends	29.00
		do J. C. Parker South Side Manufacturing Co do Fred Macey Co. (Limited). W. S. Sheetz	Baskets Report sections Blue-print paper	9.60 28.00
		W. S. Sheetz	Blue-print paper	7.04
			Lumber	10.56 36.21
		Church & Stephenson Wm, A. Taylor	Plates Lumber Traveling expenses Expenses Cord	14.00
Aug	r. 4	do	Expenses	98.66 2.50
11119	15	M. Du Perow W. B. Moses & Sons		5. 16 5. 90
		Hugh Reilly	Shellac.etc	5. 90 1. 15
		Hugh Reilly The Geo. W. Knox Express Co E. Morrison Paper Co	Transportation	3. 27
		E. Morrison Paper Codo	Newspaper dodgers	10.80 19.98
	17	The South Side Manufacturing Co	Shellac.etc Transportation Fruit wraps Newspaper dodgers Carriers Pamphlet cases Table Condess etc	29.00
		The Randolph Paper Box Co Yawman & Erbe Manufacturing Co	Pamphlet cases	23.00 4.25
~	21	do	Cardcase, etc	23.00
Sep	t.18	Western Union Telegraph Co	Telegraph service	71.09
		Postal Telegraph-Cable Co	do	47.66 1.02
	19	Washington Southern Rwy. Co	Passenger transportation	6.05 32.65
	10	Yawman & Erbe Manufacturing Codo  do Western Union Telegraph Codo Postal Telegraph-Cable Co Washington Southern Rwy. Co Seaboard Air Line Rwy Southern Rwy. Co Atlantic Coast Line R. R. Co	do	18.50
		Atlantic Coast Line R. R. Co	_ do	11,60

# $Expenditures\ of\ Department\ of\ Agriculture\ for\ year\ ending\ June\ 30,1903-Cont'd.$ POMOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903. Sept.19 Oct. 10 23 26 31	Supplemental—Continued.  Georgia Southern and Florida Rwy Lehigh Valley R. R. Co. Geo. F. Muth & Co. The Fred Macey Co. (Limited) Wm. A. Taylor St. Louis and San Francisco R. R. Co. Baltimore and Ohio R. R. Co.	Passenger transportationdoSundries Sections, etc ExpensesPassenger transportationdodo	\$11.40 9.33 2.75 48.50 172.90 30.25 28.20 1,269.50

#### RECAPITULATION.

First quarter. Second quarter	\$5,751.65
Second quarter	7,857.24
Third quarter	8,461.46
Fourth quarter	6,098.37
Supplemental	1,269.50
Total	29, 438. 22

#### SETTLED BY TREASURY.

Date.	Name.	Nature of payment.	Total.
1903. Jan. 24 July 14 28	Southern Pacific Cododododo	Passenger transportationdodo	\$25.50 6.10 89.95 121.55

#### BOTANICAL INVESTIGATIONS AND EXPERIMENTS.

1902. July 10			
	F. V. Coville	Traveling expenses	\$7.86
25	Ernest Betz	Boxes	3,50
26	K. Kneessi Sons	Straps	1.50
20	Capital Traction Co	Fare tickets	5.00
			74.32
20	E. G. Schafer & Co		7. 16
28	W. Silas Sheetz	Plates, etc.	5. 28
	District of Columbia Paper Manufactur-	Paper	9.20
	ing Co.	3	0.00
	do	do	9.36
	Wm. Flynn	do	. 90
	Vaughan's Seed Store.	Sprinklers	7.50
31	R. H. True et al	Salaries	1,904.63
Aug. 1	Church & Stephenson	Flooring, etc	8.71
	District of Columbia Paper Manufactur-	Paper	14.40
	ing Co.		
	Martin W. Gorman	Salary	100.00
4	Torald Sollmann	do	130.63
-	Lamb & Tilden	Stamp holder	. 65
	E. B. Drake		3.00
6	Fred. A. Schmidt		4.80
· ·	Z. D. Gilman		2.14
7	Henry Allen		17.50
8	Mackall Bros		4.80
0	Rudolph, West & Co		22.04
	Woodward & Lothrop	Tong	2.2
	woodward & Louirop	Jars Muslin	. 60
	do	do	. 60
	Tarrio Co		19.00
_	F. W. Bolgiano & Co		189.55
9	O. F. Cook	Salary	5, 60
11	Chas. Becker	White lead	ə. ot
	Eastman Kodak Co	Kodak	
	The Kny-Scheerer Co	Jars, etc	4.50
12	W. S. Sheetz	Screws	. 50
14	Geo. M. Shull	Traveling expenses	18.49
	Whitall, Tatum Co	Vials and bottles	3.60
	do	Vials, etc.	2.44
	Jas. R. Collins	Bags	1.60
	V. K. Chesnut	Traveling expenses	82.95

#### BOTANICAL INVESTIGATIONS AND EXPERIMENTS—Continued.

Date.	Name.	Nature of payment.	Total
1902.			
ug. 15	Wm. Krafft Whitall, Tatum Co C. S. Schofield National Mortar Co	Triplets	\$17
	Whitall, Tatum Co	Corks	18
18	C. S. Schofield	Salary Cement, etc	126 20
19 23	Merck & Co		18
25	L. H. Dewey	Traveling expenses Cans Photo supplies. Gas Electric current Straps Pino etc	56
	L. H. Dewey American Can Co	Cans	(
26	Houghton & Delano Washington Gaslight Co	Photo supplies	49
		Floatric aumont	7
	K. Kneesi Sons E. G. Shafer & Co Capital Traction Co Eimer & Amend R. H. True et al	Strans	•
	E.G. Shafer & Co		7
	Capital Traction Co	Tickets Glass tubes	- 8
27 30	Eimer & Amend	Salaries	2,019
ot. 2	O. F. Cook	Salary	189
ot. 2	C.S. Scoffeld	do	126
	M. W. Gorman	do do	100
	Whitall, Tatum Co	Laboratory supplies	100
5	F. A. Walpole	Salary	126 126
8	C. S. Scofield M. W. Gorman Whitall, Tatum Co F. A. Walpole do Geo. A. Shull	Laboratory supplies Salary do Traveling expenses	44
		Salary	150
	R. M. Harper W. R. Beattie	SalarydoTraveling expenses	100
12 17	W. R. Beattie	Traveling expenses	35
17	V. K. Chesnutdo	Expensesdo	46
18	Pennsylvania B. R. Co	Passenger transportation	$\bar{\tau}_i$
23	Pennsylvania R. R. Co Jos. B. Davy Geo. F. Klugh	Passenger transportation Expenses Traveling expenses	109
	Geo. F. Klugh	Traveling expenses	29
29	V. K. Chesnut	do	113
29	Houghton & Delano	Photo supplies	45
30	Carl S. Scoffeld	Expenses	3° 49
	do	Salary	122 2, 157
	Geo. F. Krugh V. K. Chesnut J. A. Murphy Houghton & Delano Cari S. Scoffelddo R. H. True et al	do Brickwork Photo supplies Expenses Salary Salaries	2,157
	Total first quarter		8,814
t. 1	Torald Sollmann	Salary	75
2	Martin W Garman	do	188 100
	F. A. Walpole	do do Expenses	122
3	Jos. W. Davy	Expenses	2
	O. F. Cook Martin W. Gorman F. A. Walpole Jos. W. Davy C. S. Scofield do do W. O. Bishmony	do	26
6	W. O. Richtmann	do	124
0	Geo. H. Shull	Traveling expensesdo	34 38
	T. Sollmann	Expenses	59
10	T.Sollmann W.F.Wight	Expenses Traveling expenses	ã
13 16	Rodney H. True	do	51
10	V.K. Chesnut	Expenses	45 105
21	Rudolph, West & Co	Tools	100
	W. F. Wight Rodney H. True V. K. Chesnut do Rudolph, West & Co Mayfield & Brown	Traveling expenses do Expenses Traveling expenses Tools. Plow, etc Compass	15
	H. D. Feast & Co.	Compass.	9
	Maynett & Brown H. D. Feast & Co P. H. Heiskell, jr., & Co Densmore Typewriter Co National Mortar Co W. M. Galt & Co Houghton & Delano Geo. F. Muřh & Co Wn Kraft	Compass Knife Repairs to typewriter Fire brick, etc. Hay Plates	4
	National Mortar Co	Fire brick etc	5
	W. M. Galt & Co	Hay	8
	Houghton & Delano	Plates	9
	Geo. F. Muth & Co.	Onl. etc	7
	Wm. Krafft Frank I. Vance	Rice seed	4 2
	Bausch & Lomb Optical Co.	Triplet Rice seed Laboratory supplies	15
	Multum in Parvo Binder Co	Binders	12
	Henry Allen	Jars do Expenses	12
	F A Welpele	do	24
99	r.A. waipoie.	Traveling expenses	20 34
22 27	Edgar Brown	Traveling expensesdo	139
22 27	Edgar Brown F. A. Walpole	QO	100
31	Edgar Brown F. A. Walpole R. H. True et al	Salaries	2,160
31	Wm. Krafft Frank L. Vance Bausch & Lomb Optical Co Multum in Parvo Binder Co Henry Allendo F. A. Walpole Edgar Brown F. A. Walpole R. H. True et al O. F. Cook	Salaries	189
31	F. A. Walpole	Salaries	2,160 189 126
31	F. A. Walpole	Salaries Salary do do	189 126 126
31	F. A. Walpole	Salaries Salary  do  do  do	189 126 126 100
	Edgar Brown F. A. Walpole R. H. True et al O. F. Cook F. A. Walpole C. S. Scofield Martin W. Gorman Aid Association for Blind Carl S. Scofield Wolf Bros	Salaries Salary do do	189 126 126

 $Expenditures of \, Department \, of \, Agriculture \, for \, year \, ending \, June \, 30, 1903 - {\tt Cont'd.}$ 

#### BOTANICAL INVESTIGATIONS AND EXPERIMENTS—Continued.

Date.	Name.	Nature of payment.	Total.
1902.			
1902. ov. 3	Densmore Typewriter Co	Repairs to typewriter	\$6
	Barber & Ross. Whitall, Tatum Co	Nails Flasks, etc	4 8
	Whitall, Tatum Co	Flasks, etc	8.
	Jas. B. Lambie Artimus H. Thomas Co	Padlocks	2
	Artimus H. Thomas Co.	Pipettes	6
	District of Columbia Paper Manufactur	Pamphlet cases Blotting paper	18
I	Randolph Paper Co District of Columbia Paper Manufacturing Co.	Biotting paper	
4	ing Co. F. W. Bolgiano & Co. Rudolph, West & Co.	Harness	27
4	Rudolph, West & Co	Bolts Carrier for cutter	20
4	Folmon & Sahwing Manufacturing Co	Progrets	1
	Rudolph, West & Co Silver Manufacturing Co Folmer & Schwing Manufacturing Co The Geo. W. Knox Express Co	Transportation	11
	OO )	Brackets. Transportationdo	11
	Washington Gaslight Co The Smith Premier Typewriter Co	Gas Typewriter and case	2
5	The Smith Premier Typewriter Co	Typewriter and case	92
6	P. I. Moran	Oats	12
	Thos. Somerville & Sons National Mortar Co	Oats Pipe, etc Sand	15
	National Mortar Co	Sand	1
	C. M. Wolf & Co	Mower, etc. Repairs to trunk	41
	Henry Lindemeyer & Sons	Paner	3 7
	Lelin & Fink	Cochineal, silver gray etc	
	Jas. S. Topham  Henry Lindemeyer & Sons Lehn & Fink  Whitall, Tatum Co	Repairs to trunk Paper Cochineal, silver gray, etc Laboratory supplies Corks, etc Brick laying Brushes, etc Boxes Photo supplies do Alcohol, etc Laboratory supplies Lumber do Desk	8
	wintall, Tatum Codo. J. A. Murphy Eimer & Amend Randolph Paper Bag Co Houghton & Delanodo Mackell Bros	Corks, etc	6
8	J. A. Murphy	Brick laying	9
10	Eimer & Amend	Brushes, etc	37
10	Randolph Paper Bag Co	Boxes	110
13	Houghton & Delano	Photo supplies	59
	do Mackall Bros Z. D. Gilman Church & Stephenson	Alachol etc	11 28
	Z. D. Gilman	Laboratory supplies	62
	Church & Stephenson	Lumber	0/4
	do	do	25
17	Woodward & Lothrop United States Envelope Co The Torsion Balance Co Bausch & Lomb Optical Co E. Morrison Paper Co Louis Hartio	Desk Envelopes Scale and weight	16
	United States Envelope Co	Envelopes	- E
	The Torsion Balance Co	Scale and weight	40
ļ	Bausch & Lomb Optical Co	Flange	
	E. Morrison Paper Co	Herbarium paper	
18	The Checonolis and Ohio Pury Co	Paggangay transportation	18
10	Minnesota and International Rwy Co	do	16
	Grand Trunk Rwy Co	do	7
	Bausch & Lomb Optical Co E. Morrison Paper Co Louis Hartig The Chesapeake and Ohio Rwy. Co Minnesota and International Rwy. Co Grand Trunk Rwy. Co New York, New Haven and Hartford	do	12
	Rwy. Co.		
	Chicago and Northwestern Rwy. Co	do	11
	Northern Pacific Rwy. Co	do	
	The Pennsylvania R. R. Co.	OD	24 150
	Northern Pacific Prey Co	do	5(
	do	do	30
	The Pennsylvania R. R. Co	do	10
	Rwy. Co. Chicago and Northwestern Rwy. Co. Northern Pacific Rwy. Co. The Pennsylvania R. R. Co. Baltimore and Ohio R. R. Co. Northern Pacific Rwy. Co. do. The Pennsylvania R. R. Co. Chicago, St. Paul, Minneapolis and Omalia Rwy. Co.	do	25
10	Minnesota and International Rwy. Co	Pipettes	3
19	Whitall, Tatum Co	Class rods etc	90
	W M Galt & Co	Oats and hav	29 10
	Whitall, Tatum Co do W. M. Galt & Co Library Bureau Thomas Somerville & Sons Daniel Hiser W. B. Moses & Sons F. A. Walpole Robert Smith Printing Co F. W. Bolgiano & Co C. S. Scofield T. Sollmann	Typewriter stand	
	Thomas Somerville & Sons	Plumbers' supplies	ì
	Daniel Hiser	Pots	15
20	W. B. Moses & Sons	Rugs	2
	F. A. Walpole	Traveling expenses	3
- 22	Robert Smith Printing Co	Scrapbooks	4
22	F. W. Bolgiano & Co.	Twine, etc	1: 50
	T Sollmann	Expenses	29
25	Geo F. Muth & Co	Putty	131
140	T. Sollmann Geo. F. Muth & Co James B. Lambie	Belting	4
26	L. H. Dewey	Traveling expenses	10
	Janet R. Perkins	Pipettes Glass rods, etc Oats and hay Typewriter stand Plumbers' supplies Pots Rugs Traveling expenses Scrapbooks Twine, etc Traveling expenses Expenses Putty Belting Traveling expenses Salary Salaries Doors Card cases	80
29	R. H. True et al	Salaries	9 97
ec. 1	Woodruff Manufacturing Co	Doors	28
	TT TT Channel	Card cases	2, 27 15 15 97 122
		Traveling expenses	100
	C S Soofield	Solopy	
9	C. S. Scofield	Salary	189
3	L. H. Dewey Janet R. Perkins R. H. True et al Woodruff Manufacturing Co do V. K. Chesnut C. S. Scofield O. F. Cook V. K. Chesnut Chicago, St. Paul, Minneapolis and Omaha	Card cases Traveling expenses Salary do Expenses	185 185 21 12

# Expenditures of Department of Agriculture for year ending June 30, 1903—Cont'd, BOTANICAL INVESTIGATIONS AND EXPERIMENTS—Continued.

Date.	Name.	Nature of payment.	Total
902.			
ес. З	Montana Rwy. Co F. A. Walpole Jas. E. Converse Martin W. Gorman United States Electric Lighting Co	Passenger transportation	\$3 65
4	F. A. Walpole	Salary	65
	Jas. E. Converse	do	25 100
	United States Electric Lighting Co	do do Electric current	5
	Washington Gaslight Cododo	dodo	12
	Washington Gaslight Co.	Gas do do Traveling expenses	ő
	do	do	2
5	O. F. Cook	Traveling expenses	54
6	L. H. Dewey	do Chair Table	18
10	W. B. Moses & Sons	Table	4
10	W R Beattie	Expenses	62
12	Frederick J. Tayler	Expenses Traveling expenses	30
	W. R. Beattle Frederick J. Tayler Fred. A. Schmidt	Section paper . Photo supplies . Traveling expenses . Passenger transportation	2
18	Houghton & Delano	Photo supplies	26
10	O. F. Cook	Traveling expenses	31
19	Southern Pacific Company Baltimore and Ohio R. R. Co Southern R. R. Co Jos. Mathy E. Brown	Passenger transportation	10
	Southown P. P. Co.	do	17
99	Jos Mathy	Oven	34
22 31	E. Brown	Expenses	34 16
	R. H. True et al	do Oven Expenses Salaries	2,494
	Total second quarter		11.207
ากอ			11.401
903. 1. 2	Harry Thompson et al O. F. Cook C. S. Scofield Fox Typewriter Co. (Limited) Robt. Gair Keasbey & Mattison National Mortar Co Little & Page	Labor	28
3	O. F. Čook	Salary	189
	C. S. Scofield	do	126
ð	Fox Typewriter Co. (Limited)	Copynoider	4 29
	Keechev & Metticon	Acheetoe nanar	AE
	National Mortar Co	Cement	9
	Little & Page	Lamp, stove, etc	ĭ
	do	do	1
	Administrators W. H. Rupp	Calendar pad	
	Melville Lindsay Rubber Co	Boots, etc	12 12
	Rudolph, West & Co	Tarred paper, etc.	12
	do Administrators W. H. Rupp Melville Lindsay Rubber Co. Rudolph. West & Co Potomac Electric Power Co do American Writing Machine Co	Salary do Copyholder Paper pockets Asbestos paper Cement Lamp, stove, etc do Calendar pad Boots, etc Tarred paper, etc Electric current do Typewriter paper do Duplicator, etc Saucers Caffeine hydrochlorate Manure Lumber do	11 14
	American Writing Machine Co.	Typewriter paper	14 27
	American Writing Machine Co. do C. Bensinger Syracuse Pottery Co. Merck & Co. Thos. W. Riley Church & Stephenson, do W. B. Moses & Sons do	do	36
6	C. Bensinger	Duplicator, etc	6
	Syracuse Pottery Co	Saucers	20
-	Thee W Pilor	Monage Hydrochlorate	200
7-8	Church & Stanhangan	Lumber	200
C.	do	do	5 79
12	W. B. Moses & Sons	Matting, etc	(1)
	do	Bookcase	42
	do	do Matting, etc Bookcase Desk, etc	42
	do Wyckoff. Seamans & Benedict do Church & Stephenson	Labor Typewriter Lumber	9
	Church & Stophoneon	Typewriter	90 97
	do		197
	do W. Silas Sheetz do	Velox etc	4
	do	Velox, etc	2
			1
15	U. M. Thiermeyer W. M. Hayes Cambridge Botanical Supply Co J. Ross Collins Whitall, Tatum Co Yawman & Erbe Manufacturing Co	Boxes Planting machine Label holder Bags	15
	W. M. Hayes	Planting machine	20
	L Poss Collins	Label holder	1
	Whitall Tatum Co	Bottles etc	5 19
	Yawman & Erbe Manufacturing Co	Case and cards	12
	do	Copier	35
	Eimer & Amend	Sicoes	4
2.0	Jas. E. Converse	Salary	25
16	Church & Stephenson	Lumber	9
	do	do	11
	J. Ross Collins Whitall, Tatum Co Yawman & Erbe Manufacturing Co -do -Emer & Amend Jas. E. Converse Church & Stephenson -do -do -do -do -do -do -do -torname -do -do -do -do -vera K. Charles Library Bureau Robt. Gair United States Envelope Co -Henry Allen Wm. Krafft V. K. Chesnut The Bunnell Telegraph and Electric Co	do	68 75
	Vera K. Charles	Report	150
19	Library Bureau	Cases, etc	17
	Robt.Gair	Envelopes	17
	United States Envelope Co	do	14
	Henry Allen	Vials and corks	24
	wm. Krafit	instruments	36 1
20	V. K. Chesnut The Bunnell Telegraph and Electric Co.		

 $Expenditures \ of \ Department \ of \ Agriculture \ for \ year \ ending \ Jun \ ?\ 30, 1903-Cont`d.$ 

#### BOTANICAL INVESTIGATIONS AND EXPERIMENTS—Continued.

Date.	Name.	Nature of payment.	Total
1903.			
an. 21	E. Brown	Expenses July to December	\$99
	Thos. Somerville & Sons	Vise Hose cocks Current	1 3 17
	Potomaa Floatria Porron Co	Hose cocks	3
	Potomac Electric Power Co Washington Gaslight Co	Gas	12
	Barber & Ross	do	8
	Barber & Ross	Oil stove, etc.	11
	do	Brackets	E.
	do	Nails Glass	5
	do E. G. Schafer & Co do	Tees	7 3
	do	Pipe, etc	7
		Pipe, etc Tees Table	8
	Wational Mortay Co	Camant	5 5
	F. W. Bolgiano & Co.	Cement Horse blankets Wagon axle Corks, etc	6
	do	Wagon axle	13
	Z. D. Gilman	Corks, etc	18
	Tan man a min be branched ing co	Cupoul a, busc, coc	44 56
	Jno. Mitchell, jr	Pines	90
	Mackall Bros	Soda	ĭ
	Mackall Bros The Geo. W. Knox Express Co	Transportation	1
	do	Soda Transportation	2
	do The M. Lindsay Rubber Co Jno. C. Parker D. Frank Parker W. H. Dyer Densmore Typewriter Co Church & Stephenson Postal Telegraph Cable Co Blue Line Transportation Co. Rudolph, West & Co The Chesapeake and Potomac Rwy. Co The Oregon Railroad and Navigation Co Southern Pacific Co.	Hose	1
	D Frank Parker	Typewriter paper	7 5
	W. H. Dver	Typewriter paper Typewriter chair Wire molding	2
	Densmore Typewriter Co	Card platen Lumber Service Transportation	12
22	Church & Stephenson	Lumber	70
	Postal Telegraph Cable Co	Service	
24	Rudolph West & Co	Hardware Passenger transportation do do	15
26	The Chesapeake and Potomac Rwy. Co	Passenger transportation	30
	The Oregon Railroad and Navigation Co	do	77
	Southern Pacific Co	do	22
	The Yazoo and Mississippi Valley R. R. Co.	Ventilators, etc	5 24
	The Yazoo and Mississippi Valley R. R. Co. The Pullman Auto Ventilating Co. The M. Lindsay Rubber Co.	Coat and boots	13
	Fredk. Carl Capital Traction Co- Yawman & Erbe Manufacturing Co-	Coat and boots Electro-photo rocker Fare tickets	8
	Capital Traction Co	Fare tickets	.5
	Yawman & Erbe Manufacturing Co	Sections, etc	44
	W. M. Galt & Co New York, New Haven and Hartford	Copier Hay Passenger transportation	35 17
27	New York, New Haven and Hartford	Passenger transportation	12
	Southern Rwy. Co.	do	55
29	Southern Rwy. Co. Baltimore and Ohio R. R. Co. M. A. Howe	Index could	13 9
29	A C Rowe	Fire extinguishers	12
	A. C. Rowe Seabury & Johnson E. G. Schafer & Co	Index cards Fire extinguishers Isinglass Pipe, etc	12 7
	E. G. Schafer & Co	Pipe, etc	1
31		Salaries	2,505
eb. 3	O. F. Cook Jas. E. Converse	Salaries Salary do	2,505 193 25 129
	C. S. Schofield	do	129
	Jno. C. Parker Thos. W. Smith	Baskets Doors	32
	Thos. W. Smith	Doors	7
4	Barber & Ross Okonite Co. (Limited)		4
е	D E Motrol	Speaking tube	12
6	Woodward & Lothrop	Wire Speaking tube Chair, etc Transportation	6
9	United States Express Co	Transportation	6
	W.B. Moses & Sons	Linoleum Shades, etc.	34
	Woodward & Lothrop United States Express Co W. B. Moses & Sons do Dadysh West & Go	Snades, etc.	42
	E G Schafer & Co	Hinges, etc.	9
	E. Morrison Paper Co	Tags, etc	2 2
	Rudolph, West & Co E. G. Schafer & Co E. Morrison Paper Co	Hinges, etc Pipe Tags, etc Gummed paper Chemicals Switches, etc Cord Velox paper	3
	Z. D. Gilman M. Du Perow do	Chemicals	2
	M. Du Perow	Switches, etc	7
	W. Silas Sheetz	Velox paper	2
	Barber & Ross		2
	Barber & Ross. The Geo. W. Knox Express Co	Transportation	11
	G.P. Killian Yawman & Erbe Manufacturing Co	Boxes	18
10	Yawman & Erbe Manufacturing Co	Paper Base and sections	41 41
12	do Woodruff Manufacturing Co	Index cases	13
	TO COME WILL DEBUT WE WOUNDED THE COURSE OF	Mounting maps	3

# Expenditures of Department of Agriculture for year ending June 30, 1903—Cont'd. BOTANICAL INVESTIGATIONS AND EXPERIMENTS—Continued.

ate.	Name.	Nature of payment.	Total
903.			
b. 12	Rodney H. True Adams Express Co Houghton & Delano. do Thos, Somerville & Sons Weyel & Co	Traveling expenses	82
	Adams Express Co	Transportation	18
16	Houghton & Delano.	Photo supplies	11
	do	Photo suppliesdo	18 11 7
	Thos, Somerville & Sons	Gas-hose cocks, etc	1
	Merck & Co J. T. Walker Sons Church & Stephenson		6
17	J. T. Walker Sons	Lime Lumber	124
	Church & Stephenson	Lumber	124
10	Fredk Carl United States Envelope Co do Pennsylvania R. R. Co	Repairing camera Envelopes	1
18	United States Envelope Co	Envelopes	$\frac{\bar{6}}{3}$
19	D	do	8
19	remsylvama K. K. Co	do Passenger transportationdo do do do	95
	Chicago and Northwestern Rwy. Co	do	33 11
	Illinois Central R. R. Co	do	18
20	Henry Allen	Vials Traveling expenses Salaries	53
26	J W T Duvel	Traveling expenses	82
28	R. H. True et al	Salaries	82 2,385
r. 3	The Arlington Co	Pyralin	4
	Henry J. Green	Pyralin Thermometers	4
	J. H. Thiermeyer	Boxes	$\frac{4}{1}$
	The Okonite Čo. (Limited)	Wire	2
	Illinois Central R. R. Co Henry Allen J. W. T. Duvel R. H. True et al The Arlington Co Henry J. Green J. H. Thiermeyer The Okonite Co. (Limited) Lamb Wire Fence Co Henry Lindenmeyr & Son Parke, Davis & Co O. F. Cook	Wire fence Herbarium paper Chemicals Salary do do do	9
	Henry Lindenmeyr & Son	Herbarium paper	38
	Parke, Davis & Co	Chemicals	4
	O. F. Cook	Salary	175
	Jas. E. Converse C. S. Schofield Henry Allen The Chesapeake and Potomac Telephone	do	25 116
	C. S. Schofield	do	116
	Henry Allen	Jais	26
	The Chesapeake and Potomac Telephone	Services	5
	Co.	a.	10
	do	do	12
	do	do	12
	do Church & Stephenson W. Silas Sheetz	T was box	6 12
	W Siles Shootz	Photographic cumplice	10
	W. Shas Sheetz	Tone	30
	W. Silas Sheetzdo W. H. Dyer M. Lindsay Rubber Co Carrie Stake C.J. McCubbin Co Edwd. Palmer E. Brown	Wire molding	1
	M Lindsov Pubbov Co	Plankets eta	
	Carrie Stalza	Making sacks	7 22
	C. J. McCubbin Co	Layatory etc	25
	Edwd. Palmer	Mexican fiber plants	10
4	E. Brown	Expenses	16
	do	Traveling expenses	19
	E. Brown do do do Woodward & Lothrop	do do do Lumber Photographic supplies Lens Wire molding Blankets, etc Making sacks Lavatory, etc Mexican fiber plants Expenses Traveling expenses Expenses Muslin Furniture, etc	58
	Woodward & Lothrop	Muslin	2 92
	do	Furniture, etc	
	E. Morrison Paper Co.	Paper	6
5	Potomac Electric Power Co	Current	18
	Hugh Reilly	Glass	3
	R. C. Ballantyne	Tag board	2
11	woodward & Lothropdo E. Morrison Paper Co Potomac Electric Power Co Hugh Reilly R. C. Ballantyne M. Du Perow	Joints	î
	T 35:4-1-11 :-	Electrical supplies	i
	Jno. Mitchell, jr	Plumbers' supplies	18
	7 D Cilmon	Muslin Furniture, etc Paper Current Glass Tag board Joints Electrical supplies Plumbers' supplies Hay Burners, etc	18
	M. Du Perow do Jno. Mitchell, jr W. M. Galt & Co Z. D. Gilman The J. C. McCubbin Co National Electrical Supply Co Carrie Stake R. F. Metzel Martin Wiegand Ernest Betz W. B. Mosas & Sons do do do	Hay Burners, etc Hose bibs Receipts Sacks Speaking tube Doors Repairs to roof	59 2
	National Floatrical Supply Co	Receipts	Z
	Carrio Stalzo	Soole	22
	R F Metzel	Sneaking tube	8
	Martin Wiegand	Doors	2
	Ernest Betz	Repairs to roof	4
	W. B. Moses & Sons	Shades	4
	do	Shades Mats, mirrors, etc Desk	5
	do	Desk	26
	do do Thos. Somerville & Sons do E Morrison Paper Co. do Fredk. Carl W. O. Richtmann W. R. Beattie The Eslamer & Schwing Manufacturing Co.	do	34
	Thos, Somerville & Sons	Valves, etc Plumbing materials Memorandum books	5
	do	Plumbing materials	13
	E. Morrison Paper Co.	Memorandum books	10
	do		6
	Fredk. Carl	Repairs to camera Traveling expenses	7
12	W.O. Richtmann	Traveling expenses	39
	W. R. Beattie	do	70
14	The Folmer & Schwing Manufacturing Co.	Camera stand	60
	B. L. Cunningham	Negatives	36
16	W. R. Beattie The Folmer & Schwing Manufacturing Co. B. L. Cunningham W. R. Beattie W. R. Beattie	Traveling expenses	4
17	Merck & Co Eimer & Amend Whitall, Tatum Co	do Camera stand Negatives Traveling expenses Chemicals Apparatus Condensors	1
	Eimer & Amend	Apparatus	39
	Whitell Tetum Co	Condensers Glass tubing, etc	25

Expenditures of Department of Agriculture for year ending June 30, 1903—Cont'd.

BOTANICAL INVESTIGATIONS AND EXPEDIMENTS. Continued.

Date.	Name.	Nature of payment.	Total
.903.	, , , , , , , , , , , , , , , , , , ,		
ar. 17	Whitall, Tatum Co	Bottles	\$2.
18 19	H. H. Ballard The Geo. W. Knox Express Co.	Clips and keys	1
19	The LC Freed Co	Transportation Brooms	1
	The J. C. Ergood Co Barber & Ross	Sash	10
	Woodward & Lothrop	Tare	5
	Jas. S. Topham	Jars Case and repairs	10
	do	Trunk	18
	do	Case	7
	Houghton & Delano	Photographic supplies	59
20	Henry J. Green	Thermometers	2
	Parke, Davis & Co	Capsules	4
	Library Bureau W. Silas Sheetz	Stacking, etc	92
21	W. Silas Sheetz	Travs	5
	- ido	Camera, etc	37
	do	Films	45
20	F. W. Bolgiano & Co.	Collars and whips	5
23	Woodward & Lothrop	Chairs, etc	30
	F. W. Bolgiano & Co Woodward & Lothrop Potomac Electric Power Co	Current	36 437
00	C. S. Sconeia	Traveling expenses	437
26	do The Chesapeake and Potomac Telephone	Expenses	37 6
	Co. Co.	Service	6
	Co. do	do	e
	Lester H. Dewey	Traveling expenses	18
31	R. H. True et al	Traveling expenses Salaries	3,125
-	Total third quarter	Control	13,727
r. 2	Washington Gaslight Co.		10,131
1. 4	do	dodo	4
	W. B. Moses & Sons	Furniture, etc	163 16
	do	Linoleum	16
4	C.S. Scoffeld	Salary	129
10	Fredk. V. Coville	Salary Expenses	12 11
	Geo. H. Shull	Traveling expenses	11
16	Fredk, V. Coville Geo. H. Shull C. H. Delano & Son	Books	(
17	F. A. Schmidt	Level rod	13
	do	Paper, etc	4
	W.B. Moses & Sons	Water-cooler, etc	7
	Woodran Manufacturing Co	Fitting up case Chemicals, etc	1
	W. Silas Sheetz	Chemicals, etc	5
	Yawman & Erbe Manufacturing Co	Files	11
	Jno. C. Parker	Labels, etc	14
	Barber & Ross	Nails, etc.	100
	Church & Stephenson	Lumber	100
	do		
	E Mannison Banau Co	Binder's board	2
	E. Morrison Paper Co Z. D. Gilman	Pubbon tubing	12
18	Washington Floral Co	Rubber tubing Vases	14
10	The C. I. McCubbin Co.	Lavatory ate	27
	M. Du Perow	Switches etc	2
	M. Du Perow Southern Rwy. Co. Northern Pacific Rwy. Co. Washington-Southern Rwy. Co.	Passenger transportation.	4
	Northern Pacific Rwv. Co	do	125
	Washington-Southern Rwy. Co.	do	1
	do	do	40
	do Seaboard Air Line Rwy. Co	do	18
	Western Rwy of Alabama Galveston, Harrisburg and San Antonio	do	20
	Galveston, Harrisburg and San Antonio	do	34
	Rwy. Co.		
	Chicago, Rock Island and Pacific Rwy. Co .	do	20
20	Adams Express Co	Transportation	12
	Moore Bros	Typewriter	45
	Jas. N. Rupp	Memorandum books	12
	E.J.Pullman W.Silas Sheetz	Films	10
	Jas. S. Topham	Paper, etc	9
	Jas. S. Topnam	Repairing, etc.	2
	Lutz & Co	Cases	8
	do	Portfolio, etc	7
	do	Binders	9
21	J. M. Thorburn & Co	Seeds	12
	Bausch & Lomb Optical Co	Chemicals	12 13 35
	Eimer & Amend	Flasks	35
	do	Pumps	6
	do Darius E. Burton Yawman & Erbe Manufacturing Co	Sieves Telegraph spoon	3
	Daving F Dunton	Telegraph spoon	1
	Darius E. Burton	Paper	4

#### BOTANICAL INVESTIGATIONS AND EXPERIMENTS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
pr. 21	The Mathy Co	Boxes	§34.
	Lehn & Fink	Seeds	3.
	The Okonite Co. (Limited)	Wire	3.
	do	do do Pills	3.
	T. H. Compand & Co.	Dilla	3.
	W. Atlaa Promos & Co	Seeds	2. 5.
	The Mathy Co Lehn & Fink The Okonite Co. (Limited) do do E. H. Sargent & Co W. Atlee Burpee & Co Rand, McNally & Co W. R. Beattie V. K. Chesnut Fredk. V. Coville	Vans	1.
22	W R Beattie	Maps Traveling expenses	16.
1010	V. K. Chesnut	Expenses	8.
23	Fredk. V. Coville District of Columbia Paper Manufactur-	Traveling expenses Blotting paper	28. 18.
	District of Columbia Paper Manufactur-	Blotting paper	18.
	ing Co.		400
24	Martin Wiegand	Cases	103.
	M. Du Perow Brentanos	Heater	1
25	Morely & Co	Heater Ink Chemicals Seeds Envelopes	1. 23.
20	Merck & Co. Higgins & Waters. United States Envelope Co.	Seeds	20.
	United States Envelope Co	Envelopes	17.
30	R. H. True et al	Salaries	3,048.
y 1	Woodruff Manufacturing Co	Herbarium cases	3,048. 347.
2	W.B. Moses & Sons	Salaries Herbarium cases Linoleum Manuscript	13.
	U. U. Georgeson	Manuscript	400.
4	W. B. Moses & Sons	Mirrors	2. 123.
4	United states Envelope Co R. H. True et al Woodruff Manufacturing Co W. B. Moses & Sons C. C. Georgeson W. B. Moses & Sons C. S. Scofield Rodney H. True Blue Line Transportation Co Jas B Lambie	Salary Traveling expenses	123. 19.
	Blue Line Transportation Co	Transportation	2.
	Jas B Lambie	Door track etc	4.
	Jas. B. Lambie Washington Gaslight Co	Transportation Door track, etc Gas do Service	6
	The Chesapeake and Potomac Telephone	dodo	7.
	The Chesapeake and Potomac Telephone	Service	
	United States Express Co	Transportation	2.
	United States Express Co Potomac Electric Power Co Rudolph, West & Co	Current Halyards, etc Brackets, etc	24.
	do do	Proglets of	20.
	E Morrison Paper Co	Paper	5.
	do	Gummed paper	9.
	E. Morrison Paper Codododododododo	Paper Gummed paper Binder's board Furniture Netting Expenses Negatives Cases Photographs of plants	12.
8	Woodward & Lothrop	Furniture	15.
0	do	Netting	4.
9	do E. Brown Burton L. Cunningham The Randolph Paper Box Co Viola McCohn Clark & Davenport Capital Traction Co. Wyckoff, Seamans & Benedict The Mathy Co. (Incorporated)	Expenses	46.
18 26	The Bandalah Basan Bar Ca	Negatives	12.
40	Viola MaCohn	Photographs of plants	17. 3.
	Clark & Davenport	Altering carnet	4.
	Capital Traction Co	Car tickets	2.
29	Wyckoff, Seamans & Benedict	Copyholder, etc	4.
	The Mathy Co. (Incorporated)	Repairs	4.
07	do	Copper tanks	- 11
31	do R. H. True et al. C. S. Scofield Northern Pacific Rwy. Co. Seaboard Air Line Rwy. Co.	Cases Photographs of plants Altering carpet Car tickets Copyholder, etc Repairs Copper tanks Salaries	2, 919.
$\frac{1}{3}$	U.S. Scoffeld	Salary	127. 59.
5	Sochoond Ain Line Press Co.	Passenger transportation	59.
	Pennsylvania R. R. Co.	do	10.
	Mongan's Louisiana and Tomas Pailmand	do	2. 12.
	and Steamship Co.		Liv.
	Atlantic Coast Line R. R. Co.	do	8.
	Texas and New Orleans R. R. Co	do	7.
4	and Steamship Co. Atlantic Coast Line R. R. Co. Texas and New Orleans R. R. Co. Geo. H. Shull United States Mailing Case Co. Haage & Schmidt Geo. Cogar. Chs S. Lea	Traveling expenses Case, etc	42.
õ	United States Mailing Case Co	Case, etc	4.
	Haage & Schmidt	Chemicals	8.
	Chao Tao	Seed, etc	33.
	Chas. Lea Library Bureau Hance Bros. & White Mercke & Co	Chemicals Seed, etc Licorice cuttings Cases, etc Plate drug mill Chemicals do Sheep markers, etc Seed bass	5.
	Hance Bros & White	Plate deno mill	75. 36.
	Mercke & Co	Chemicals	12.
	do	do	12.
	Wilcox & Harvey Manufacturing Co	Sheep markers, etc.	3.
	Robt. Gair Co	Seed bags Report on seeds	28.
	V. K. Charles	Report on seeds	100.
6	do Wilcox & Harvey Manufacturing Co Robt, Gair Co V. K. Charles John C. Parker K. Kharsesi Sons	Report on seeds Tollet paper Case for tripod Repairing typewriter Photographic supplies Seeder Molding do Gas Current	6. 3.
9		Case for tripod	3.
	Moore Bros Houghton & Delano F. W. Bolgiano & Co. The Washington Woodworking Co	Repairing typewriter	3.
	F W Rolgiano & Co	Photographic supplies	16.
	The Washington Woodwayzing Co	Molding	8. 1.
		do	1.
	Washington Gaslight Co- Potomac Electric Power Co-	Gas	6.
			31.

## $Expenditures \ of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30,1903---Cont'd$

#### BOTANICAL INVESTIGATIONS AND EXPERIMENTS—Continued.

Diplo

Date

Date.	Name.	Nature of payment.	Total.
1903.	The Character Land 1 D. L. The Land		***
June 9	The Chesapeake and Potomac Telephone	Service	\$0.55
	Washington, Alexandria and Mount Ver- non Rwy. Co.	Tickets	6.10
	S.P. Johnson Densmore Typewriter Co	Typewriter	67.50 4.00
# 15	E. Brown Jas. B. Lambie	Repairs Traveling expenses	85, 88
10	Jas. B. Lambie F. P. May & Co	Stones	2.00 2.00
	F. P. May & Co W. M. Galt & Co	Hay	35.80
	Edw. S. Schmid	OatsRabbits	19.50 4.50
	The Burnet Co District of Columbia Paper Manufactur-	Batteries Gray matrix	1.14 $14.40$
	ing Co.		
	M. Lindsay Rubber Co	Sponge bag Lime	2.00 1.50
	P. G. Afflick Jas. S. Topham C. Becker	Case	11.00
			5.60 7.50
	Mackall Bros Geo. F. Muth & Co Barber & Ross	Chemicals	12.04
	Barber & Ross	Oil, etc Repairs	18.97 13.50
	M. Du Perowdo	L Barreostati	5.00 1.10
	do	Fan	12.50
	do do	Fansdo	25.00 37.50
	W Siles Sheetz	Plates	3.52
	Thos. W. Smith	Moldings	48.30 4.40
	do.	Screen	9.80 100.00
12	Martin W. Gorman Woodward & Lothrop	Thread	6.08
	I hos, comervine & cons	Valves	9.45 22,30
	Rudolph, West & Co Hugh Reilly	Valves Locks Glass	. 90
	W. B. Moses & Sons E. J. Pullman	Lilass nonts	19.60 6.00
	E. J. Pullman do	Photographic supplies	1, 10 4. 12
	Dodnov II III	Expenses	2.97 7.60
13	V. K. Chesnut	Traveling expenses	7.60 3.15
	Standard Oil Co.	Barrel of dynamo	6,00
17	W.K.Chesnut. M.G.Copeland Co. Standard Oil Co. L.H. Dewey. Eimer & Amend.	Traveling expenses Tubes	205.14 7.00
	dodo	Sieve Torsion balances	7.00 2.35 70.00
1	do	Chemicals, etc	12.38
	do Whitall, Tatum Co	Chemicals, etcdoReagents	5.53 18.29
	do	Via!s	1.81
	G. E. Stechert The Randolph Paper Box Co	Books Boxes	36.75 80.00
	dodo	do	18.48 39.75
	United States Envelope Co Peter Henderson & Co	do Envelopes Harrow Collection of plants	15.60
19	Albert Ovenden	Collection of plants	19.00 16.07
	C. P. Goerz	Repairs	1.50 3.10
20	C. P. Goerz  McKesson & Robbins  Wm. Kraft	Diructin knolls Chemicals	47.78
23	L.J. W. Thorburn & Co	Opium poppy Traveling expenses Chemicals	2, 50 25, 85
140	Fredk. J. Tyler Eimer & Amend	Chemicals	20.78
	The Mathy Co. The Geo. W. Knox Express Co. Chicago, St. Paul, Minneapolis and Omaha	Brass trays Transportation	80.00 ,25
26	Chicago, St. Paul, Minneapolis and Omaha	Passenger transportation	11, 50
	Rwy. Co. Pennsylvania R. R. Co.	do	14.13
	do Louisville and Nashville R. R. Co	do	25.00 18.68
			7.05
	Lehigh Valley B. R. Co. Chicago, Rock Island and Pacific Rwy. Co. The Bunnell Telephone and Electric Co.	do	12.63 16.00
29 30	The Bunnell Telephone and Electric Co	Electric supplies	. 72 2, 484. 80
90	R. H. True et al		
	Total fourth quarter		13,037.13

#### BOTANICAL INVESTIGATIONS AND EXPERIMENTS—Continued.

Date.	Name.	Nature of payment.	Tota
	Supplemental.		
1903.	F. D	Evanomono	~ .
ıly 2	E. Brown	Expenses	. \$4
6	E. Brown C. S. Scofield G. W. Collins	Salary Traveling expenses	128
			11 25
11	V. K. Chesnut C. S. Scofield do W. W. Tracy, jr Woodruff Manufacturing Co. E. Brown do M. W. Copper	do	1
11	C.S. Scoffeld	do	1,
	do	Traveling expenses	7
	W. W. Tracy, ir	do	160
	Woodruff Manufacturing Co	Cases Expenses Traveling expenses	160
14	E. Brown	Expenses	26
	do	Traveling expenses	12
15	M. W. Gorman		172
	M. W. Gorman L. F. Winter Mackall Bros do	Testing machine	66
20	Mackall Bros	Chemicalsdo	18
	do	do	15
	do Library Bureau	do	9
	W W Colt 6- Co	Binders	27 32
	W.M. Galt & Co	Hay Apparatus	11
	W. M. Galt & Co F. A. Schmidt	do	11
	F W Bolgiano & Co	Brake lever	15
	F. W. Bolgiano & Co- Bausch & Lomb Optical Co	Stand	1.5
	do	Photographic supplies	21
	do E.S. Schmid G.F. Muth & Co	Stand Photographic supplies Rabbits	18
	G. F. Muth & Co	Oil finish Brushes, etc Clock, etc Table	1.3
	do	Brushes, etc	1
	Woodward & Lothrop	Clock, etc	22
	do	Table	Ę
	E.J. Pullman	Plates	6
	do Whitall, Tatum & Co do	do	25 25 25
	Whitall, Tatum & Co	Bottles Testing tubes	25
	do	Testing tubes	20
	do	Bottles	2
	Goo W Vnor Ermagg Co	Jars	500
21	C H Chall	Tuevaling average	1
21	Clark & Davannort	Transportation Traveling expenses Carpet	50
	do Geo. W. Knox Express Co G. H. Skull Clark & Davenport Rudolph, West & Co	Brass hinges etc	1
	do	Brass hinges, etc Doorstops	7
	Woodward & Lothrop. Chas, Scribner's Sons	Chairs, etc	18
23	Chas, Scribner's Sons	Chairs, etc Books	8
24	Houghton & Delano	Seed plates	40
	American Cycle Manufacturing Co	Bicycle	40
	Chas. Scribner's Sons Houghton & Delano American Cycle Manufacturing Co J. N. Rose R. B. Merchant, J. S. Topham P. Med'seric	Bicycle. Botanical book Map	Ę
	R. B. Merchant,	Map	1
25	J. S. Topham	Case	11
25	R. MacKenzie	Fiber machine	100
	Houghton & Delano	Lens	148
	The J. H. Day Co	Percolator	ā
	M. G. Coneland Co.	Bellows, etc.	14
	W S Shootz	Camara ota	68 48
	H. MacKelizie Houghton & Delano The J. H. Day Co Rochester Optical and Camera Co M. G. Copeland Co W. S. Sheetz do do	Awnings Camera, etc Plate holders	4 E
		Films, etc	Š
	The Folmer & Schwing Manufacturing Co.	Lens	65
28	The Folmer & Schwing Manufacturing Co. Bockhandel en Drunkkery	Publication	5
29	Unurch & Stephenson	Lumber	38
	do Washington Gaslight Co	Lumber do Gas	84
	Washington Gaslight Co	Gas	84
		do	5
	Potomac Electric Power Co	Current	28
	do Whitall, Tatum Co	Bottles	28 27 18
	w mitan, Tatum Co	Bottles	18
	do Eimer & Amend	Polongo and majorito	109
	Limer & Amend	Balance and weights	109
	do	Funnel, etc. Chemicals	20 20
	do Bausch & Lomb Optical Co	do	20
	do	Balance and weights	62 82
	The Chesapeake and Potomac Telephone	Service	12
	Co.		1.4
	Norfolk and Washington Steamboat Co.	Transportation	28
	D.F. Parker	Chair	5
	do	Paper Photo supplies	4
	E. J. Pullman	Photo supplies	1
g. 4	M. Du Perow	Buzzers	5

## 142 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1903—Cont'd.

BOTANICAL INVESTIGATIONS AND EXPERIMENTS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.	Supplemental—Continued.		
Aug. 4	Barber & Ross. F. W. Bolgiano & Codo	Bolt, etc Dried blood Cotton bags	\$0.95 1.25 9.00
ممر			7.00 5.49
12	C. R. Edmonston S. Kann, Sons & Co E. Brown W. R. Beattle W. S. Hoge & Bro Thos. Somarville & Sons J. S. Haas	Traveling expenses Expenses Cotton-seed meal	72.10 53.48 1.50
	Thos. Somerville & Sons J. S. Haas do	Machine Lettering, etc Brass sign	96.00 26.00 28.00
14 15	do F. V. Coville M. G. Copeland Co James B. Lambie W. B. Moses & Sons	Traveling expenses Awnings Oil cans 4 pieces opaque	1:50 3.10 4.13
	W. B. Moses & Sons do E. Morrison Paper Co	4 pieces opaque Chair Paper	2.00 5.16 1.20
	do Louis Hartig The Geo. W. Knox Express Co.	- do Wire Transportation	3.36 11.25
	The Chesapeake and Potomac Telephone Co	Call, Baltimore, Md	. 88 2. 25 . 30
	do Z.D.Gilman do	Unemicals	. 50 4. 00 2. 45
	do do Hugh Reilly do	Dishes, etc Tubing, etc Glass	44. 49 30. 49 3. 80
17	do do Interstate Clipping Bureau	do	5. 20 9. 12 1. 35
	do Herstate Clipping Bureau Parke, Davis & Co Paul Klincksuck Geo. H. Woodhull	Chemicals Publications Service, etc	6, 60 16, 50 88, 00
20 21	Geo. H. Woodhull Merck & Co. Barber & Ross The M. Lindsay Rubber Co. Mackall Bros	Chemical Pliers, etc Mat	3.00 1.20 .15
25 Sept. 10	Mackall Brosdo Merck & Co	Chemicals do do	.15 2.55 4.98 49.00
300pt110	Woodward & Lothrop J. C. Parker Z. D. Gilman	Copyholder, etc	161.00 5.90 2.62
18	Western Union Telegraph Co	Telegraph service	3. 02 . 92 4. 35
	do Missouri, Kansas and Texas Rwy. Co. Maine Central R. R. Co. Boston and Maine R. R. Pennsylvania R. R. Co.	u0	14.35 5.20 11.20
10	Galveston, Harrisburg and San Antonio Rwy. Co.	do	45.45
19	Lake Shore and Michigan Southern Rwy. Co. The Chesapeake and Ohio Rwy. Co. Burlington and Missouri River R. R. in Ne-		14.75 61.20
	braska.		29.50 14.22
	Northern Pacific Rwy. Co Baltimore and Ohio R. R. Co	do	14.13 13.50 11.40
	Pennsylvania Company Chicago and North Western Rwy.Co Pere Marquette R. R. Co	do	11.00 7.24 6.40
Oct. 10	The Wabash R. R. Co. Rutland R. R. Co. Northern Pacific Rwy. Co. Baltimore and Ohio R. R. Co. Pennsylvania Company Chicago and North Western Rwy. Co. Pere Marquette R. R. Co. Southern Rwy. Co. Lehigh Valley R. R. Co. Postal Telegraph Cable Co. The Geo. W. Knox Express Co. United States Express Co. Blue Line Transfer Co.	do do Telegraph service	21.10 8.00 .53 8.79
28	The Geo. W. Knox Express Co. United States Express Co. Blue Line Transfer Co.	Transportationdo	22.54 3.49
31	The Lake Shore and Michigan Southern Rwy. Co New York, New Haven and Hartford R. R.	do	14.25 4.00
	Co. Michigan Central R. R. Co		6.75
	Total		3,453.16

#### RECAPITULATION.

First quarter 88	3, 814, 41
Second quarter11	1,207.50
Third quarter	3,727.73
Fourth quarter 13 Supplemental 3	3, 453, 19
Supplemental suppl	7 1 7 3 1 1 0

#### SETTLED BY TREASURY.

Date.	Name.	Nature of payment.	Total.
1903. Mar. 11 June 23 Sept. 21	The Public Printer Southern Pacific Co do Pennsylvania R. R. Co. Southern California Rwy. Co Total	Printing cards Passenger transportationdo do do do	\$1. 99 20. 00 42. 15 77. 00 45. 00

#### BOTANICAL INVESTIGATIONS, ETC.—RENT.

1902. Oct. 15	Jane E. Howlett	Rent quarter ending September 30,1902.	\$180.00
Feb. 12		Rent October-December, 1902 Rent December 23, 1902-January 31, 1903.	180.00 328.76
Mar. 9	do	Rent February	230.13
	Total	k	738.89
May 8	Jno. H. Nowlan and W. R. Deeble	Rent March Rent April	265, 08 250, 00
June 9	dodo	Rent May	250.00
	Total		765.08
	Supplemental.		
July 11	Jno. H. Nowlan and W. R. Deeble	Rent June	250.00
	Total rent		1,933.97

#### GRASS AND FORAGE PLANT INVESTIGATIONS.

10	902.			
		1 C Tritohooole	//1i	200 84
Ju	y 11	A. S. Hitchcock	Traveling expenses	\$23.75
		F. Barteldes & Co	Millet	2.40
	26	C. R. Ball	Expenses	4.35
		A. R. Barnes & Co		6.60
		K. Kneessi Sons		1.59
	28	Fred. A. Schmidt	Dividers.etc	4.20
		District of Columbia Paper Manufacturing	Paper	
		Co.	1	4.32
	30	C. R. Ball	Traveling expenses	13, 50
	31	A. S. Hitchcock et al	Salaries	759.90
An	g. 1	Elias Nelson		40, 40
	8. 1	E. L. Morris		40,00
	4	T. W. Wood & Sons	Seeds	30.94
	-	A. S. Hitchcock		80.15
	6		do	67.65
	0	E. L. Morris		52.17
		Fred. A. Schmidt	Rubber	.30
	8	Mackall Bros		2.20
	0	Rudolph, West & Co	Iron, etc	14.95
		Woodward & Lothrop		2, 10
		Honghton & Dolone	St001	
	11	Houghton & Delano	Films, etc	44.89
	14	P.O. Vanatter	Salary	67.40
	1±	A. D. Dunn	Traveling expenses	50.80
	1-	do		. 40
	15	Byron Hunter		40.00
	16	A. D. Dunn	do	40.00
		Henry N. Lackenby	Seeds	76.00

## 144 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

 $Expenditures of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30, 1903--Cont'd.$ 

Date.	Name.	Nature of payment.	Total
1902.			
ug. 18	E. N. Wilcox	Salary	\$40
_	J. B. Davey	Expenses	12
	J. B. Davey W. Atlee Burpee & Co Southern Rwy. Co	Seeds	18
	do	Passenger transportationdo	$\frac{13}{23}$
20	W. G. Spillman David Griffiths	Traveling expenses	113
22	David Griffiths	do	168 77
22 23 25	P. L. Ricker The Cutaway Harrow Co.	Weeder and hoe	77
25 26	The Cutaway Harrow Co.	Weeder and hoe	12
29	H. N. Lackenby A. S. Hitchcock	Seeds Traveling expenses Salary Salaries	76 65
20	Eline Molcon	Salary	40
	A.S. Hitchcock et al. P. O. Vanatter A. D. Dunn Ernest N. Wilcox	Salaries	766
pt. 8	P. O. Vanatter	Salarydo	67
	A. D. Dunn	do	40 40
10	Byron Hunter	do do Traveling expenses Salary Traveling expenses do do	40
10	Byron Hunter E. L. Morrisdo	Traveling expenses	70
	do:	Salary	40
	P. L. Ricker E. N. Wilcox	Traveling expenses	15
17	E. N. Wilcox	do	35 37
	Byron Hunter	do	15
	A. D. Dunn	do	43
	A. D. Dunn David Griffiths Pennsylvania R. R. Co	do	35
18	Pennsylvania R. R. Co.	Passenger transportation Expenses	19
	D. A. Saunders	Expenses	110
	Astoria and Columbia River R R Co	Passenger transportationdo	13 5
	Champlain Transportation Co	do	11
	Seaboard Air Line Rwy. Co	do	5
22	D. A. Saunders Southern Rwy, Co. Astoria and Columbia River R. R. Co. Champlain Transportation Co. Seaboard Air Line Rwy, Co. Carleton R. Ball Geo. W. Millar & Co. W. M. Pollock Houghton & Delano. A. S. Hitchcock et al. Grant P. Smith	Expenses	4
25 26	Geo. W. Millar & Co	Manila paper	8
20	Houghton & Dolano	Manila paper Traveling expenses Photo supplies Salaries	14
29 30	A. S. Hitchcock et al	Salaries	$\frac{14}{723}$
-	Grant P. Smith	Labor	7
	Total first quarter	-	4,303
+ 0	P. O. Wanattan		65
t. 2	P.O. Vanatter A.S. Hitchcock	Traveling expenses	65
	do	do	7 17
3			40
	Jos B Davy	Salat y	
4	T.D.D.	Traveling expenses	33
	J. P. Brass	Traveling expenses Sand Traveling expenses	33 18
	J. P. Brass Carleton R. Ball	Traveling expenses Sand Traveling expenses Expenses	33 18 101
6	J. B. Davy J. P. Brass Carleton R. Ball do A. D. Dunn	Traveling expenses Sand Traveling expenses Expenses	33 18 101 4 40
	A.D. Dunn	Traveling expenses Sand Traveling expenses Expenses Salary Expenses	33 18 101 4 40 25
6 10	A.D. Dunn	Traveling expenses Sand Traveling expenses Expenses Salary Expenses	33 18 101 4 40 25 12
10	A.D. Dunn	Traveling expenses Sand Traveling expenses Expenses Salary Expenses Traveling expenses do	33 18 101 4 40 25 12 43
10 16	A.D. Dunn	Traveling expenses Sand Traveling expenses Expenses Salary Expenses Traveling expenses do	33 18 101 4 40 25 12 43
10	A. D. Dunn. J. B. Gay W. J. Spillman E. L. Morris J. B. Gay E. Morrison Paper Co	Traveling expenses Sand Traveling expenses Expenses Salary Expenses Traveling expenses do Expenses Paper	33 18 101 4 40 25 12 43 9 1
10 16	A. D. Dunn. J. B. Gay W. J. Spillman E. L. Morris J. B. Gay E. Morrison Paper Co	Traveling expenses Sand Traveling expenses Expenses Salary Expenses Traveling expenses do Expenses Paper	33 18 101 4 40 25 12 43 9 1 5
10 16	A. D. Dunn. J. B. Gay W. J. Spillman E. L. Morris J. B. Gay E. Morrison Paper Co	Traveling expenses Sand Traveling expenses Expenses Salary Expenses Traveling expenses do Expenses Paper	33 18 101 4 40 25 12 43 9 1 5 10
10 16	A. D. Dunn. J. B. Gay W. J. Spillman E. L. Morris J. B. Gay E. Morrison Paper Co	Traveling expenses Sand Traveling expenses Expenses Salary Expenses Traveling expenses do Expenses Paper	33 18 101 4 40 25 12 43 9 1 5 10 1
10 16 21	A. D. Dunn. J. B. Gay W. J. Spillman E. L. Morris J. B. Gay E. Morrison Paper Co	Traveling expenses Sand Traveling expenses Expenses Salary Expenses Traveling expenses do Expenses Paper	33 18 101 440 25 12 43 9 1 5 10 1 26 26
10 16	A. D. Dunn. J. B. Gay W. J. Spillman E. L. Morris J. B. Gay E. Morrison Paper Co do Geo. P. Killian Co. Rudolph, West & Co T. W. Wood & Sons Northrup, King & Co Lawyer & Wagner Co	Traveling expenses Sand Traveling expenses Expenses Salary Expenses Traveling expensesdo Expenses Paper Manila paper Boxes Screening Clover seed Seeds Films Traveling expenses	33 18 101 4 40 25 12 43 3 9 1 1 5 100 1 26 26 10
10 16 21	A. D. Dunn. J. B. Gay W. J. Spillman E. L. Morris J. B. Gay E. Morrison Paper Co do Geo. P. Killian Co. Rudolph, West & Co T. W. Wood & Sons Northrup, King & Co Lawyer & Wagner Co	Traveling expenses Sand Traveling expenses Expenses Salary Expenses Traveling expensesdo Expenses Paper Manila paper Boxes Screening Clover seed Seeds Films Traveling expenses	33 18 101 4 40 25 12 43 43 5 10 1 26 26 10 366 12
10 16 21	A. D. Dunn J. B. Gay W. J. Spillman E. L. Morris J. B. Gay E. Morrison Paper Co do Geo. P. Killian Co. Rudolph, West & Co T. W. Wood & Sons Nortbrup, King & Co Lawyer & Wagner Co A. D. Dunn H. H. Stem	Traveling expenses Sand Traveling expenses Expenses Salary Expenses Traveling expenses Odo Expenses Paper Manila paper Boxes Screening Clover seed Seeds Films Traveling expenses	33 18 101 4 40 25 12 12 26 26 10 36 12
10 16 21	A. D. Dunn J. B. Gay W. J. Spillman E. L. Morris J. B. Gay E. Morrison Paper Co do Geo. P. Killian Co. Rudolph, West & Co T. W. Wood & Sons Nortbrup, King & Co Lawyer & Wagner Co A. D. Dunn H. H. Stem	Traveling expenses Sand Traveling expenses Expenses Salary Expenses Traveling expenses Odo Expenses Paper Manila paper Boxes Screening Clover seed Seeds Films Traveling expenses	33 18 101 4 40 25 5 12 43 9 1 1 5 10 1 26 26 10 36 12 23 23
10 16 21	A. D. Dunn J. B. Gay W. J. Spillman E. L. Morris J. B. Gay E. Morrison Paper Co do Geo. P. Killian Co. Rudolph, West & Co T. W. Wood & Sons Nortbrup, King & Co Lawyer & Wagner Co A. D. Dunn H. H. Stem	Traveling expenses Sand Traveling expenses Expenses Salary Expenses Traveling expenses Odo Expenses Paper Manila paper Boxes Screening Clover seed Seeds Films Traveling expenses	33 18 101 4 40 25 12 43 9 1 5 10 10 26 26 26 12 3 223
10 16 21	A. D. Dunn J. B. Gay W. J. Spillman E. L. Morris J. B. Gay E. Morrison Paper Co do Geo. P. Killian Co. Rudolph, West & Co T. W. Wood & Sons Nortbrup, King & Co Lawyer & Wagner Co A. D. Dunn H. H. Stem	Traveling expenses Sand Traveling expenses Expenses Salary Expenses Traveling expenses Odo Expenses Paper Manila paper Boxes Screening Clover seed Seeds Films Traveling expenses	33 18 101 4 40 25 25 21 22 43 9 9 1 1 26 26 12 23 3 223 19 28
10 16 21	A. D. Dunn. J. B. Gay W. J. Spillman E. L. Morris J. B. Gay E. Morrison Paper Co do Geo. P. Killian Co. Rudolph, West & Co T. W. Wood & Sons Northrup, King & Co Lawyer & Wagner Co A. D. Dunn H. H. Stem Library Bureau do W. J. Spillman The Fred Macey Co. (Limited) Houghton & Delano David Griffiths	Traveling expenses Sand Traveling expenses Expenses Salary Expenses Traveling expensesdo Expenses Paper Manila paper Boxes Screening Clover seed Seeds Films Traveling expenses Photos Cards Cabinet, etc Traveling expenses Cases, cards, etc Photo supplies	33 18 101 4 40 25 12 43 9 9 1 1 26 26 26 10 36 12 23 19 19 28 33 33 33 33
10 16 21 22 23	A. D. Dunn. J. B. Gay W. J. Spillman E. L. Morris J. B. Gay E. Morrison Paper Co do Geo. P. Killian Co. Rudolph, West & Co T. W. Wood & Sons Northrup, King & Co Lawyer & Wagner Co A. D. Dunn H. H. Stem Library Bureau do W. J. Spillman The Fred Macey Co. (Limited) Houghton & Delano David Griffiths	Traveling expenses Sand Traveling expenses Expenses Salary Expenses Traveling expensesdo Expenses Paper Manila paper Boxes Screening Clover seed Seeds Films Traveling expenses Photos Cards Cabinet, etc Traveling expenses Cases, cards, etc Photo supplies	33 18 101 4 40 25 12 43 9 9 1 1 26 26 26 10 36 12 23 19 19 28 33 33 33 33
10 16 21 22 23 27	A. D. Dunn. J. B. Gay W. J. Spillman E. L. Morris J. B. Gay E. Morrison Paper Co do Geo. P. Killian Co. Rudolph, West & Co T. W. Wood & Sons Northrup, King & Co Lawyer & Wagner Co A. D. Dunn H. H. Stem Library Bureau do W. J. Spillman The Fred Macey Co. (Limited) Houghton & Delano David Griffiths	Traveling expenses Sand Traveling expenses Expenses Salary Expenses Traveling expensesdo Expenses Paper Manila paper Boxes Screening Clover seed Seeds Films Traveling expenses Photos Cards Cabinet, etc Traveling expenses Cases, cards, etc Photo supplies	33 18 101 4 40 25 12 43 3 9 9 11 15 26 26 10 36 12 22 3 22 3 3 28 3 3 3 3 3 3 3 3 3 4 3 3 3 3 3 3 3 3 3
10 16 21 22 23	A. D. Dunn. J. B. Gay W. J. Spillman E. L. Morris. J. B. Gay E. Morrison Paper Co. do. Geo. P. Killian Co. Rudolph, West & Co T. W. Wood & Sons. Northrup, King & Co Lawyer & Wagner Co A. D. Dunn. H. H. Stem Library Bureau do. W. J. Spillman The Fred Macey Co. (Limited) Houghton & Delano David Griffiths P. L. Ricker C. R. Ball Mackell Bros	Traveling expenses Sand Traveling expenses Expenses Salary Expenses Traveling expensesdo Expenses Paper Manila paper Boxes Screening Clover seed Seeds Films Traveling expenses Photos Cards Cabinet, etc Traveling expenses Cases, cards, etc Photo supplies	33 18 101 4 40 25 12 43 3 9 9 11 15 26 26 10 36 12 22 3 22 3 3 28 3 3 3 3 3 3 3 3 3 4 3 3 3 3 3 3 3 3 3
10 16 21 22 23 27 29	A. D. Dunn J. B. Gay W. J. Spillman E. L. Morris J. B. Gay E. Morrison Paper Co do Geo. P. Killian Co Rudolph, West & Co T. W. Wood & Sons Northrup, King & Co Lawyer & Wagner Co A. D. Dunn H. H. Stem Library Bureau do W. J. Spillman The Fred Macey Co. (Limited) Houghton & Delano David Griffiths P. L. Ricker C. R. Ball Mackall Bros do	Traveling expenses Sand Traveling expenses Expenses Salary Expenses Traveling expensesdo Expenses Paper Manila paper Boxes Screening Clover seed Seeds Films Traveling expenses Photos Cards Cabinet, etc Traveling expenses Cases, cards, etc Photo supplies Traveling expensesdo Expensesdo Expensesdo Expensesdo Expensesdo Expensesdo Expensesdo Traveling expensesdo Traveling expensesdo Traveling expensesdo Traveling expensesdo Traveling expenses	33 188 101 4 40 25 12 12 26 10 10 10 26 10 26 12 23 19 28 33 33 35 35 36 44 44 45 43 43 43 43 43 43 43 43 43 43
10 16 21 22 23 27 29 30	A. D. Dunn J. B. Gay W. J. Spillman E. L. Morris J. B. Gay E. Morrison Paper Co do Geo. P. Killian Co Rudolph, West & Co T. W. Wood & Sons Northrup, King & Co Lawyer & Wagner Co A. D. Dunn H. H. Stem Library Bureau do W. J. Spillman The Fred Macey Co. (Limited) Houghton & Delano David Griffiths P. L. Ricker C. R. Ball Mackall Bros do	Traveling expenses Sand  Traveling expenses Expenses Salary Expenses Traveling expenses do Expenses Paper Mamila paper Boxes Screening Clover seed Seeds Films Traveling expenses Photos Cards Cabinet, etc Traveling expenses Cases, cards, etc Photo supplies Traveling expenses Cases	33 188 101 4 40 25 12 12 13 14 15 10 10 10 11 26 26 12 12 13 19 22 33 33 33 35 35 36 36 46 47 47 47 47 47 47 47 47 47 47
10 16 21 22 23 27 29 30 31	A. D. Dunn. J. B. Gay W. J. Spillman E. L. Morris J. B. Gay E. Morrison Paper Co do Geo. P. Killian Co Rudolph, West & Co T. W. Wood & Sons Nortbrup, King & Co Lawyer & Wagner Co A. D. Dunn. H. H. Stem Library Bureau do W. J. Spillman The Fred Macey Co, (Limited) Houghton & Delano David Griffiths P. L. Ricker C. R. Ball Mackall Bros do Le N. Wilcox A. S. Hitchcock et al	Traveling expenses Sand Traveling expenses Expenses Salary Expenses Traveling expensesdo Expenses Paper Manila paper Boxes Screening Clover seed Seeds Films Traveling expenses Photos Cards Cabinet, etc Traveling expenses Cases, cards, etc Photo supplies Traveling expensesdo Expenses Cases Cases Cases Cards Cabinet, etc Traveling expenses Cases	33 188 101 4 40 25 122 133 199 10 10 10 26 10 26 10 28 33 33 33 33 33 34 34 34 34 34
10 16 21 22 23 27 29 30 31 31 v. 1	A. D. Dunn. J. B. Gay W. J. Spillman E. L. Morris J. B. Gay E. Morrison Paper Co do Geo. P. Killian Co Rudolph, West & Co T. W. Wood & Sons Nortbrup, King & Co Lawyer & Wagner Co A. D. Dunn. H. H. Stem Library Bureau do W. J. Spillman The Fred Macey Co, (Limited) Houghton & Delano David Griffiths P. L. Ricker C. R. Ball Mackall Bros do Le N. Wilcox A. S. Hitchcock et al	Traveling expenses Sand Traveling expenses Expenses Salary Expenses Traveling expensesdo Expenses Paper Manila paper Boxes Screening Clover seed Seeds Films Traveling expenses Photos Cards Cabinet, etc Traveling expenses Cases, cards, etc Photo supplies Traveling expensesdo Expenses Cases Cases Cases Cards Cabinet, etc Traveling expenses Cases	33 18 101 4 40 25 12 43 43 43 10 11 10 26 26 26 10 36 12 28 33 35 31 4 4 2 2 6 7 8 8 8 8 8 8 9 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1
10 16 21 22 23 27 29 30 31	A. D. Dunn. J. B. Gay W. J. Spillman E. L. Morris J. B. Gay E. Morrison Paper Co do Geo. P. Killian Co Rudolph, West & Co T. W. Wood & Sons Nortbrup, King & Co Lawyer & Wagner Co A. D. Dunn. H. H. Stem Library Bureau do W. J. Spillman The Fred Macey Co, (Limited) Houghton & Delano David Griffiths P. L. Ricker C. R. Ball Mackall Bros do Le N. Wilcox A. S. Hitchcock et al	Traveling expenses Sand Traveling expenses Expenses Salary Expenses Traveling expensesdo Expenses Paper Manila paper Boxes Screening Clover seed Seeds Films Traveling expenses Photos Cards Cabinet, etc Traveling expenses Cases, cards, etc Photo supplies Traveling expensesdo Expenses Cases Cases Cases Cards Cabinet, etc Traveling expenses Cases	33 188 101 4 40 25 122 13 19 15 10 10 11 26 26 26 26 27 28 33 33 33 33 34 34 34 34 34 34
10 16 21 22 23 27 29 30 31 ov. 1	A. D. Dunn. J. B. Gay W. J. Spillman E. L. Morris J. B. Gay E. Morrison Paper Co. do Geo. P. Killian Co. Rudolph, West & Co T. W. Wood & Sons. Nortbrup, King & Co Lawyer & Wagner Co A. D. Dunn. H. H. Stem Library Bureau do. W. J. Spillman The Fred Maccy Co. (Limited) Houghton & Delano. David Griffiths P. L. Ricker C. R. Ball Mackall Bros do E. N. Wilcox A. S. Hitchcock et al	Traveling expenses Sand Traveling expenses Expenses Salary Expenses Traveling expensesdo Expenses Paper Manila paper Boxes Screening Clover seed Seeds Films Traveling expenses Photos Cards Cabinet, etc Traveling expenses Cases, cards, etc Photo supplies Traveling expensesdo Expenses Cases Cases Cases Cards Cabinet, etc Traveling expenses Cases	33 18 101 4 40 25 12 43 43 10 1 1 26 26 26 20 10 36 12 23 33 35 31 4 4 2 2 6 67 78 86 87 87 87 87 87 87 87 87 87 87

Date.	Name.	Nature of payment.	Total
1902.			
ov. 10	D. A. Saunders	Expenses	\$49
18	Mackell Bros	Ammonia	31
	E. J. Pullman Rudolph, West & Co Church & Stephenson	View box Hardware	31
	Church & Stephenson	Lumber	3
	do	do	4
17	E. N. Wilcox	Traveling expenses	68 17
	S L Watking	Roots	2
	E. J. Bowen	Seeds	2 96
	Church & Stephensondo E. N. Wilcoxdo. S. L. Watkins E. J. Bowen Washington, Alexandria and Mount Vernon Rwy, Co. Denver and Rio Grande R. R. Co. Lehigh Valley R. R. Co. Houston and Texas Central R. R. Co The Yazoo and Mississippi Valley R. R. Co. New York Central and Hudson River R. R. Co.	Tickets	Y
18	Denver and Rio Grande R. R. Co	Passenger transportation	22 7 5
	Houston and Texas Central R. R. Co	do	5
	The Yazoo and Mississippi Valley R. R. Co.	do	6
	New York Central and Hudson River R. R.	do	2
	Co.	do	11
	Seaboard Air Line B. B. Co	do	11 17
	Baltimore and Ohio R. R. Co	do	9
	Pennsylvania R. R. Co	do	10
	New York, New Haven & Hartford R. R. Co.	do	3
	do	do	2
	Co. Louisville and Nashville R. R. Co Seaboard Air Line R. R. Co Baltimore and Ohio R. R. Co Pennsylvania R. R. Co New York, New Haven & Hartford R. R. Co Northern Pacific Rwy, Co do Fort Worth and Rio Grande Rwy, Co Maine Central R. R. Co Columbus, Sandusky and Hocking R. R. Co Boston and Maine R. R. Co Mobile and Ohio R. R. Co Pennsylvania R. R. Co The Oregon R. R. and Navigation Co do do	do	2
1	Maine Central R. R. Co	do	11
	Columbus, Sandusky and Hocking R. R. Co.	do	8
	Mobile and Ohio R. R. Co	do	6
	Pennsylvania R. R. Co	do	18
	The Oregon R. R. and Navigation Co	do	17
	do	do	17
20		do	17
	Mackall Bros	Chemicals	2
22	W.J. Spillman	Traveling expenses	5
2	E.J. Pullman	Velox	9
29	A. S. Hitchcock et al	Salaries	659
c. I	Merritt Harper	Salary	652 50
	do	do	49
4	P O Vanatter	do do Isinglass	81
	Seabury & Johnson	Isinglass	81 65 9
	T. W. Wood & Sons	Seeds	14
	Merritt Harperdo Seaman A. Knapp P. O. Vanatter Seabury & Johnson T. W. Wood & Sonsdo F. Barteldes & Co David Griffiths	do do Trayeling expenses	11
(	David Griffiths	Traveling expenses	65
	do	do	146
	Jno. C. Barker	Tags	8
8	R. W. Downs	Seeds	1
11	J. S. Cotton	Expenses	38
12	David GrimthsdoJno. C. Barker R. W. Downs A. V. Stubenrauch J. S. Cotton A. V. Stubenrauch David Griffiths	Tayeling expenses Expenses Traveling expenses  Expenses  do	38
	David Griffiths	do	104
	Rudolph, West & Co Jas. M. Ayres The Fred Macey Co. (Limited)	Rolte	5
	Jas. M. Ayres	Express charges	5
	The Fred Macey Co. (Limited)	Catalogues, etc	54 54
18 17	00	Bolts Express charges Catalogues, etc Filing section Seeds Expenses	42
14	do	Expanses	16
18	Church & Stephenson		19 22
	do	do Velox paper Velox paper, etc.	30
	E.J. Pullman	Velox paper	1 12
	do	Mounts	12 12
19	Baltimore and Ohio R. R. Co	Passenger transportation	33
	Boston and Maine R. R. Co	do	2
	Southern Rwy Co	do	2
	Pere Marquette Rwy. Co.	do	35
	Pennsylvania R. R. Co	do	13
	New York Central and Hudson River	do	21 13 5
31	do do Baltimore and Ohio R. R. Co Boston and Maine R. R. Co Chicago, Burlington and Quincy R. R. Co Southern Rwy. Co Pere Marquette Rwy. Co Pennsylvania R. R. Co New York Central and Hudson River R. Co, A. S. Hitchcock et al	Salarios	
- 51	ALLO, ZEIOHOOOK OF GI	Datat les	650.

Date	Name.	Nature of payment.	Total.
1903.			
in. 3	Jonas E. Hite	Salary	\$25.
	H. K. Mooney	do	25.
	J. S. Cotton		250.
	do	do	50.
=	do J. M. Thorburn & Co	Traveling expenses Seeds	43.
5	Merritt Harper	Salary	50.
	J. B. Gay	Expenses	14.
	J. B. Gay E. Morrison Paper Co R. P. Andrews & Co. (Incorporated)	Binders board	5.
	R. P. Andrews & Co. (Incorporated)	Manila paper	3.
10	W.J.Spillman	Expenses	1.
12	Mackall Bros		4.
13	E. Morrison Paper Co American Writing Machine Co	Railroad che ks	12. 18.
15	United States Envelope Co	Paper Envelopes	14.
10	do	do	15.
	do The Randolph Paper Box Co P.O. Vanatter	Boxes	21.
	P.O. Vanatter	Salary	67.
	Seaman A. Knapp A. V. Stubenrauch	do	84.
	A. V. Stubenrauch	Expenses	50.
10	M A Saovilla	Solowy	100. 200.
16 20	M. A. Scoville A. S. Hitchcock	Salary Expenses Photo paper	200.
21	E. J. Pullman	Photo paper	2.
131	do	Velox	3.
	do	Plates, etc	7.
	Mackall Bros	Soda	2.
	The Geo. W. Knox Express Co. The Lake Shore and Michigan Southern	Transportation	2.
26	The Lake Shore and Michigan Southern	Passenger transportation	2.
97	Rwy. Co. Baltimore and Ohio Rwy. Co	do	17.
27	Pennsylvania R. R. Co.	do	10.
31	A. S. Hitchcock et al	Salaries	719.
b. 2	Merritt Harner	Salary	719. 51.
b. 2 3	P. O. Vanatter A. S. Hitchcock	Traveling expenses	68. 649.
	A.S. Hitchcock	Traveling expenses	649.
5	J. S. Cotton	Salary	50. 6.
6	Daisy Taylor	do	5.
7 9	Woodward & Lothrop United States Express Co	Oil stove Transportation	6.
Ð	E. J. Pullman	Albuma naner	1.
	Z.D.Gilman		
	Geo. F. Muth & Co.	Tee square	2.
11	Geo. F. Muth & Co. Houghton & Delano.	Photographic supplies	2.
4.3	Jno B Espey	Scale	8.
12	Adams Express Co A. B. Leckenby The Fred Macey Co J. M. Thorburn & Co	Transportation	8. 50.
14	The Fred Masoy Co	SeedFile holders, blanks	1.
	J. M. Thorburn & Co.	Seeds	1.
16	Wolf Bros	Envelopes	2. 33.
	Library Bureau	Catalogue, etc	33.
17	S. M. Tracy	Traveling expenses	55.
19	Chicago and Northwestern Rwy. Co Pere Marquette R. R. Co	Passenger transportation	3. 12.
05	Pere Marquette R. R. Co	Tin cups	12.
25	Jas, B. Lambie Capital Traction Co	Fare tickets	2.
28	A. S. Hitchcock et al	Salarios	798.
ar. 3	Merritt Harper	Salary	46.
	J. R. Collins	Seed bags	40.
	J. R. Collins The Chesapeake and Potomac Telephone	Service	6.
	· Co.		0
	The Coa W Knew Errows Co	do	6.
5 6	The Geo, W. Knox Express Co	Transportation	50.
O	Phares O Vanatter	do	62.
11	The Geo. W. Knox Express Co. J. S. Cotton Phares O. Vanatter Lawyer & Wagner Co. Z. D. Gilman C. C. Williams	Card cutters	18.
	Z. D. Gilman	Chemicals	1.
	C. C. Williams Yawman & Erbe Manufacturing Co	File holders	10.
	Yawman & Erbe Manufacturing Co	Cases	54.
14	R. H. Forbes	Salary	98. 8.
10	A. V. Stubenrauch Houghton & Delano	Traveling expenses Photographic supplies	23.
16	W.J. Spillman		3.
18	C.K. Dodge	Seeds	
10	Library Bureau	Cards	7.
	Library Bureau The Fred Macey Co. (Limited)	Guides	4.
19	A. V. Stubenrauch	Expenses	18.
	The Geo. W. Knox Express Co	Transportation	
	Rudolph, West & Co	Iron	27.

Date.	Name.	Nature of payment.	Total.
1903.			
ar. 20	J. T. Willard E. J. Pullman A. S. Hitchcock et al	Expenses	\$9.
26	E. J. Pullman	Hypo.	
31	A. S. Hitchcock et al	Salaries	834.
	Total third quarter	."	4,976.
pr. 1	Phares O. Vanatter	Salary	68.
2	F. Barteldes & Co	Seeds	2.
	Phares O. Vanatter F. Barteldes & Co Merritt Harper	Seeds Salary	2. 51.
	Henry & Lee	Seeds	42.
6	The Fred Macey Co. (Limited)	Cards, etc	16. 50.
0	Henry & Lee The Fred Macey Co. (Limited) J. S. Cotton Carleton R. Ball W. J. Stillman	Salary Seeds Cards.etc Salary Traveling expensesdoTags,etc Shades,etc Transportation Seeds	25.
10	W. J. Spillman	do	13.
11	W. J. Spillman Jno. C. Parker	Tags, etc	1. 3.
13	Jno. C. Parker Woodward & Lothrop Blue Line Transportation Co F. Barteldes & Co Germain Seed Co. T. W. Wood & Son United States Envelope Co M. T. Tracy S. T. Tracy S. T. Tracy S. T. Tracy W. J. Spillman A. S. Hitchcock Wm. Henry Maule	Shades, etc	3.
14	E Bartaldes & Co	Soode Transportation	23.
11	Germain Seed Co.	Seeds do do do Envelopes Cond mon indo	5.
	T. W. Wood & Son	do	5.
40	United States Envelope Co	Envelopes	5.
16	M. T. Tracy	Card map index	25. 67. 43.
18 24	W. I. Spillman	Passenger transportation Traveling expenses	64.
25	A S Hitchcock	do	27.
	A. S. Hitchcock Wm. Henry Maule J. Steckler Seed Co. (Limited) Henry Lindenmeyer & Sons J. M. Thorburn & Co E. J. Pullman	Corn, etc	
28	J. Steckler Seed Co. (Limited)	Seeds Paper	1.
	Henry Lindenmeyer & Sons	Paper	38.
	J. M. Thorburn & Co	Seeds	2. 36.
	do	Plates etc	9.
30		11000,000	913.
ay 1	Jas. Withycombe	Expenses	10.
	The Planters Manufacturing Co	Seeds do do	23.
	Stryker & Co	do	4.
	A P. Parrag & Co	Parau	4. 3.
	A. S. Hitchcock et al. Jas. Withycombe The Planters Manufacturing Co Stryker & Co Sutton & Sons A. R. Barnes & Co Lilly. Bogardus & Co J. M. Thorburn & Co Phares O. Vanatter Z. D. Gilman	Paper Seeds Beans	9. 5.
	J. M. Thorburn & Co	Beans	1.
	Phares O. Vanatter	Salary	65.
2	Thares O. Vallatter Z. D. Gilman Washington, Alexandria and Mount Ver- non Rwy. Co. W. J. Spillman	Ammonia Fare tickets	
	Washington, Alexandria and Mount Ver-	Fare tickets	30.
	W. J. Spillman	Spade	1.
	N. J. Spillman David Griffiths A. S. Hitchcock W. J. Spillman J. S. Cotton	Seeds. Traveling expensesdo	95.
	A. S. Hitchcock	do	104. 12.
	W. J. Spillman	do	
7	J. S. Cotton	Salary	50.
8	J. S. Cotton American Steel and Wire Co W. J. Spillman The Geo. W. Knox Express Co Jas. B. Lambie Adams Express Co Mackall Bros United States Express Co	Wire, etc. Traveling expenses	1,603.
	The Geo W Knov Evapose Co	Transportation.	8.
	Jas. B. Lambie	Hammer	
	Adams Express Co	Transportation	13.
	Mackall Bros	Chemicals	õ.
	United States Express Co	Transportation Passenger transportation	5.
13	United States Express Co Norfolk and Washington Steamboat Co W. A. Ball F. Barteldes & Co	Traveling expenses	8.
15	F. Barteldes & Co	Traveling expenses	2.
		Lantern	61.
	T. W. Wood & Son Texas Seed and Floral Co The Fred Macey Co. (Limited) Peter Henderson & Co. The Henderson & Co.	Seeds	30.
	Texas Seed and Floral Co	Blank guides	1. 1.
	Peter Handarson & Co.	Soods	1.
		Copying cloth, etc	9.
18	David Griffiths	Traveling expenses	112.
- 30	David Griffiths Geo. Anhagen	Seeds. Copying cloth, etc Traveling expenses Salary Car tickets	6.
22	Geo. Anhagen Washington, Alexandria and Mount Vernon Rwy. Co. W. B. McCleary J. M. Thorburn & Co. May, Stern & Co. Seabury & Johnson Mark W. Johnson F. E. Cable Wager Computing Scale Co.	Car tickets	20.
	W. B. McCleary	Wire fence	906.
	J. M. Thorburn & Co	Seeds	18.
	May, Stern & Co.	Desk, etc.	18. 33.
20	Seabury & Johnson	Isinglass	18.
26	Mark W. Johnson	Seeds	
	Wager Computing Scale Co	Scale	
	Wager Computing Scale Co Capital Traction Co E. J. Pullman	whe rence Seeds Desk, etc Isinglass Seeds Focusing cloth Scale Tickets Photo supplies	35.
	E. J. Pullman	Photo supplies	36.
	W. H. Veerhoff	Frame	6.

 $Expenditures of \ Department of \ Agriculture \ for \ year \ ending \ June \ 30, 1903-{\bf Cont'd}.$ 

Date.	Name.	Nature of payment.	Tota
1903.			
ay 29	Jno. C. Parker	Pencil sharpener	S
	Jno. C. Parker E. Morrison Paper Co	Paper Pair forceps	-
		Pair forceps	
	M. Du Perow	Desk fans	29
31	M. Du Perow A. S. Hitchcock et al. Merritt Harper A. V. Stubenrauch do Southern Rwy. Co.	Salaries Salary	87
ne 1	Merritt Harper	Salary	49
2	A. V. Stubenrauch	Expenses	40
_	do	Expenses Traveling expenses Passenger transportationdo	18 43
3	Southern Rwy. Co	Passenger transportation	4:
	do Northern Pacific Rwy. Co	do	62
	Northern Pacific Rwy. Co		9
	Galveston, Harrisburg and San Antonio Rwy. Co.	do	(
	I orignillo and Machaille D. D. Co	do	0"
	Louisville and Nashville R. R. Co. Baltimore and Ohio R. R. Co. Louisiana Western R. R. Co. L. A. Clinton	do	27 69
	Louisiana Wastown P. P. Co	do	
	I A Clinton	France	28
5	Monnitt Hamon	Solomy	5.
9	T S Cotton	Salarydo Building fence	5. 5(
	W R McCleary	Ruilding fence	919
	Jac K Moteelf	Soode	115
	Louisiana Western R. R. Co. L. A. Clinton Merritt Harper J. S. Cotton W. B. McCleary Jas. K. Metcalf Library Bureau The Fred Macey Co. (Limited) W. M. Pollock Z. D. Gilman	Seeds Tin tray File Traveling expenses Chemical	11:
	The Fred Macey Co. (Limited)	File	18
10	W M Pollock	Traveling expenses	50
10	Z D Gilman	Chemicals Kerosene oil Screw-driver	7
	Geo. F. Muth & Co	Kerosene oil	
12	Rudolph, West & Co	Screw-driver	
2.14	Z.D.Gilman Geo.F. Muth & Co. Rudolph, West & Co W.B. Moses & Sons	Chairs Photo suppliesdo Paper Photo supplies Salary Paper Paper	2
	E.J.Pullman	Photo supplies	2
		do	2
	Jno. C. Parker The Columbia Photo Supply Co P. O. Vanatter American Writing Machine Co	Paper	11
13	The Columbia Photo Supply Co	Photo supplies	30
	P.O. Vanatter	Salary	68
	American Writing Machine Co	Paper	43
	Franklin Co	Pens	
17	Franklin Co Whitall Tatum Co German Seed and Plant Co	Pens Vials and corks	1
	German Seed and Plant Co	Seeds	
- 1		Beans, etc	
	Vaughan's Seed-Store	Plants	
	L. A. Clinton	Expensesdo	1.
	Vaughan's Seed-Store L. A. Clinton D. H. Saunders	do	50
19	L.C. Barley	Mules	250
20	J. B. Gay Mrs. G. Brenizer	Expenses Lantern slide	13
20	Mrs. G. Brenizer	Lantern slide	1
	I. P. Roosa	Expenses Photo supplies Plow Isinglass	96
	Bausch & Lopib Optical Co. The Belcher & Taylor Agricultural Tool Co. Seabury & Johnson Northrop, King & Co T. W. Wood & Sons W. M. Pollock W. B. McCleary	Photo supplies	25
	The Beicher & Taylor Agricultural Tool Co.	Piow	42
	Seabury & Johnson	Isinglass	,
	T W Wood & Cong		
99	W. W. Dollook	Two welling own on an	88
22 23	W. M. FOHOUK	Puilding force	276
40	w.B.McCleary	do do	66
	Lawyer & Wagner	Films	001
	C. M. Woolf & Co.	Weeder	6
	do Lawyer & Wagner C. M. Woolf & Co J. M. Thorburn & Co E. Morrison Paper Co W. B. Moses & Sons F. Barteldes & Co The Fred Macey Co. (Limited) T. W. Wood & Sons do Library Burgan	do Traveling expenses Building fence do Films Weeder Seeds	38
	E. Morrison Paper Co	Paper Water cooler Grass seeds Report sections	(
	W. B. Moses & Sons	Water cooler	Ì
	F. Barteldes & Co	Grass seeds	4
	The Fred Macey Co. (Limited)	Report sections	28
	T. W. Wood & Sons	Pearl millet	1
	do -	Pearl millet Grass seed	
	Library Bureau	Cards	Ĩ
	Library Bureau E. J. Pullman do	Photo supplies	21
	do	do	21
24	Library Bureau E. J. Pullman do Carleton R. Ball The Chesapeake and Potomac Telephone Co W. H. Lowdermilk Jas. S. Topham Pennsylvania R. R. Co. Southern Rwy. Co. Maricopa, Phoenix and Salt River Valley R. R. Co.	Traveling expenses	
25	The Chesapeake and Potomac Telephone Co	Service	
	W. H. Lowdermilk	Map	
	Jas. S. Topham	Repairs to camera case	
26	Pennsylvania R. R. Co	Passenger transportation	12
	Southern Rwy. Co.	do	38 5
	Maricopa, Phoenix and Salt River Valley	do	ã
	R. R. Co.		
	Baltimore and Ohio R. R. Co	do	21
	Peninsular and Occidental Steamship Co	do	$\epsilon$
	The Wabash R. R. Co	do	e
	R. R. Co. Baltimore and Ohio R. R. Co Peninsular and Occidental Steamship Co The Wabash R. R. Co W. J. Spillman Houghton & Delano. T. W. Wood & Sons. B. L. Robinson	Traveling expenses	81
	Houghton & Delano	Seed plates	4
	TO TAX TAX 3 0 CO	Page ate	18

## $Expenditures of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30,1903-Cont'd.$

Date.	Name.	Nature of payment.	Total.
1903.	W. linet a Alemandair and M	This heale	610.00
June 29	Washington, Alexandria and Mount Vernon Rwy. Co.	Trip books	\$12.20
30	C. E. Brereton A. S. Hitchcock et al	Photo printing Salaries	32.00 939.12
	Total fourth quarter		10, 358, 72
	Supplemental.		
July 1	Supplemental.  F. B. Mumford R. H. Forbes. Merritt Harper M. A. Scovel J. S. Cotton P. O. Vanatter Arizona Agricultural Experiment Station. S. M. Tracy David Griffiths P. L. Ricker W. M. Kraft C. R. Ball C. E. Brereton M. A. Crosby	Expenses	500.00
oury 1	R. H. Forbes.	Salary	100.80
3	M. A. Scovel	do	49.50 300.00
	J. S. Cotton	do	50.00 65.90
11	Arizona Agricultural Experiment Station.	Expenses	32.20
	David Griffiths	Traveling expenses	4.10 73.92
13	P. L. Ricker W M Krafft	Apparatus	28. 80 24. 70
10	C. R. Ball	Traveling expenses	24.70 54.09
15	M. A. Crosby	Apparatus Traveling expenses Making photo prints Traveling expenses	17.50 43.42
	M. A. Crosby J. M. Westgate Eastman Kodak Co	Traveling expenses Salary Photo supplies do Traveling expenses Salary do Expenses	54. 97 9. 85
16	do	do	9, 77
17	E. L. Morris	Salary	41.64 17.3
	J. A. Widtsoe	Evnences	200.00 68.40
	A. S. Hitchcock	Expenses Traveling expenses	125.62 78.53
	J. M. Westgate L. A. Clinton	do do	78.5: 7.05
20	J. M. Thorburn & Co.	Grass seed	40.75 29.55
21	Mackall Bros	Grass seed Paper, etc Chemicals	4.69
	Woodward & Lothrop  Rudolph, West & Co	Desk Mower	78.84 11.50
	do E. L. Morris do J. A. Widtsoe G. M. Tucker A. S. Hitchcock J. M. Westgate L. A. Clinton J. M. Thorburn & Co Cambridge Bottle Supply Co Mackall Bros Woodward & Lothrop Rudolph, West & Co E. J. Pullman do do	Mower Varnish, etc Camera Tripod, etc Lumber	5. 20 46. 00
	do	Tripod, etc.	7 80
	do Church & Stephenson do	Lumber	113. 33 122. 50
	do	do	13, 34
24	do. F. A. Schmidt G. V. Nash C. M. Woolf & Co. United States Envelope Co J. S. Topham C. S. Brent & Bros Ellis Keystone Agricultural Works Dario Martinez. J. L. Owen	do Compass, etc Monograph Cultivator	18, 75 115, 00
	C. M. Woolf & Co	Monograph Cultivator	250.00 10.50
	United States Envelope Co	Envelopes Camera case Grass seed	53.40
27	C. S. Brent & Bros	Grass seed	14.00 16.50
	Dario Martinez	Thrasher Repairing fence	115.65 40.00
28 29	J. L. Owen	Salary Traveling expenses	90.00 9.58
40	J. T. Willard	Expenses	25.00
	The Fred Macey Co. (Limited)	do File cases, etc. Photo supplies	36, 28 51, 50
Aug. 3	E.J. Pullman	Photo supplies	56. 28 91. 50
4	Dario Martinez J. L. Owen D. A. Saunders J. T. Willard D. A. Saunders The Fred Macey Co. (Limited) E. J. Pullman Houghton & Delano Lawyer & Wagner Co District of Columbia Paper Manufacturing Co.	Grafic holders	3, 00 7, 20
	District of Columbia Paper Manufacturing Co.	Matrix	7.20
5	F. W. Bolgiano & Co	Apparatus	112.13 38.43
14	J. T. Willard Elias Nelson G. M. Tucker T. D. Gilman	do	80.58
15	Z. D. Gilman	Traveling expenses	129, 19 17, 65
	Z. D. Gilman The Geo. W. Knox Express Co.	Apparatus Expenses do Traveling expenses Chemicals Transportation Chemicals	2.85 6.80
	The Geo. W. Knox Express Co. Z. D. Gilman The Geo. W. Knox Express Co. The Chesapeake and Potomac Telephone Co. Rudolph, West & Co. Drumm Seed and Floral Co. The Fred Macey Co. (Limited)do.	Transportation	4. 82
	The Chesapeake and Potomac Telephone Co Rudolph, West & Co	Transportation Calls to Falls Church, Va Hinges	. 30 3. 99
17	Drumm Seed and Floral Co	Seeds Bookcase, etc	. 70
	J.T. Walker Sons	Bookcase, etc do Lime	36.00 36.00
21 25	J. T. Walker Sons	Lime	3, 75 23, 60
	J. B. Gay J. M. Westgate	T3	3.00

Date.	Name.	Nature of payment.	Total.
1903.	Supplemental—Continued.		
Sept.18	Western Union Telegraph Co	Telegraph service	\$8.5
	do	do	5. 09
	do Southern Pacific Co do Cincinnati, New Orleans and Texas Pa-	Passenger transportation	6.43
	Cincinnati, New Orleans and Texas Pa-	do	6. 4 9. 2
	Poppeylyania P. P. Co	do	16.5
	Missouri Kansas and Toyas Rwy Co	do	24. 77 4. 32
19	do Missouri, Kansas and Texas Rwy. Co. The Missouri Pacific Rwy. Co The Colorado and Southern Rwy. Co The Wabash R. R. Co Pere Marquette R. R. Co. Burlington and Missouri River R. R. in	do	11.0
	The Colorado and Southern Rwy. Co	do	7.6
	The Wabash R. R. Co.	do	39.1
	Burlington and Missouri River R R in	do	$\begin{array}{c} 4.3 \\ 22.8 \end{array}$
	Nebraska.		14.0
	Atlantic Coast Line R. R. Co	do	14.7
	Southern Rwy. Co	do	11.8
	Southern Rwy. Co. Michigan Central R. R. Co New York Central and Hudson River R. R. Co.		8.7 8.0
	The Pullman Co	do	5.0
	Chicago and Alton Rwy. Co.	do	3.7 16.1
24	Florida East Coast Rwy Brentanos Postal Telegraph Cable Co Blue Line Transfer Co.	Wans	3.7
et. 10	Postal Telegraph Cable Co	Telegraph service.	. 2
	Blue Line Transfer Co	Transportation	$\frac{.2}{7.1}$
99	United States Express Co O. G. Hempstead & Co Cleveland, Cincinnati, Chicago and St.	do	7.1
22 31	Cleveland Cincinnati Chicago and St	Transportation	13. 0 20. 2
,	Lonie Rwy		70. A
	Chicago and Northwestern Rwy. Co	Passenger transportation	30.1
	Baltimore and Ohio R. R. Co.	do	25. 2
	Pere Marquette R. R. Co	do	5. 8 8. 8
	Total		4,284.9
errst qua	artor	TION.	- \$4,303.6 5.082.0
First qua Second of Chird qu Fourth of Supplem			\$4,303.6 5,082.0 4,976.0 10,358.7 4,284.9
second of Third que Tourth of Supplem	arter  uarter  arter  uarter  uarter  ental		5,082.0 4,976.0 10,358.7 4,284.9
second of Third que Tourth of Supplem	arter quarter aurter quarter quarter		5,082.0 4,976.0 10,358.7 4,284.9
second of Third que Tourth of Supplem	arter  uarter  arter  uarter  uarter  ental		5,082.0 4,976.0 10,358.7 4,284.9
Pate.	arter parter parter parter parter parter parter pental tal SETTLED BY TF	REASURY.  Nature of payment.	5,082.0 4,976.0 10,358.7 4,284.9 29,005.8
Date. 1902. 1903.	narter quarter narter quarter tental tal SETTLED BY TF  Name.  Southern Pacific Co	REASURY.  Nature of payment.  Passenger transportation	5,082.0 4,976.0 10,358.7 4,284.9 29,005.8 Total.
Date. 1902. 1903.	arter puarter puarter puarter puarter puarter pental tal SETTLED BY TI	REASURY.  Nature of payment.  Passenger transportation	556.0 5,082.0 4,976.0 10,358.7 4,284.9 29,005.3 Total.
Date. 1902. 1903.	arter  (parter  parter  parter  pental  tal  SETTLED BY TI  Name.  Southern Pacific Co.  The Chesapeake and Ohio Rwy. Co.	REASURY.  Nature of payment.  Passenger transportationdo	556.0 5,082.0 4,976.0 10,358.7 4,284.9 29,005.3 Total.
pecond of Third questions of the Courth of Supplem  To Date.  1902. Dec. 9 1903. Sept. 21	narter quarter narter quarter tental tal SETTLED BY TF  Name.  Southern Pacific Co	REASURY.  Nature of payment.  Passenger transportationdo	5,082.0 4,976.0 10,358.7 4,284.9 29,005.3
econd claim of the control of the coupler of the couple of the cou	arter  (parter  parter  parter  pental  tal  SETTLED BY TI  Name.  Southern Pacific Co.  The Chesapeake and Ohio Rwy. Co.	REASURY.  Nature of payment.  Passenger transportationdodo	556.0 5,082.0 4,976.0 10,358.7 4,284.9 29,005.5 Total.
econd claim of the control of the coupler of the couple of the cou	arter  narter  narter  narter  nental  tal  SETTLED BY TI  Name.  Southern Pacific Co.  The Chesapeake and Ohio Rwy. Co.  SPECIAL AG	REASURY.  Nature of payment.  Passenger transportationdodo	5,082.6. 4,976.6. 10,358.7. 4,284.6. 29,005.5.  Total.  \$56.6. 275.5.
Date.  1902. 1902. Sept. 25	narter quarter puarter tal  tal  SETTLED BY TH  Name.  Southern Pacific Co.  The Chesapeake and Ohio Rwy. Co.  SPECIAL AG  A. S. Hitchcock  EXPERIMENTAL GARDEN	REASURY.  Nature of payment.  Passenger transportationdodo	5,082.6. 4,976.6. 10,358.7. 4,284.6. 29,005.8.  Total.  \$56.0 275.8. 331.8.
econd of Chird quantity of the Pourth of Supplier To Date.  1902. Dec. 9 1903. Sept. 21  1902. Sept. 25  1902. Fully 17	narter narter narter narter narter nental  SETTLED BY TH  Name.  Southern Pacific Co.  The Chesapeake and Ohio Rwy. Co.  SPECIAL AG  A. S. Hitchcock  EXPERIMENTAL GARDEN  L. G. Orndorff	REASURY.  Nature of payment.  Passenger transportationdo  RENT.  RS AND GROUNDS.	5,082.6. 4,976.6. 10,358.7. 4,284.6. 29,005.5.  Total. \$56.6. 215.5. 331.5.
econd of Chird quourth of Supplementary To Date.  1902. Dec. 9 1903. Sept. 21	arter quarter tarter quarter tental tal  SETTLED BY TH  Name.  Southern Pacific Co.  The Chesapeake and Ohio Rwy. Co.  SPECIAL AG  A. S. Hitchcock  EXPERIMENTAL GARDEN  L. G. Orndorff S. Jacobs & Sons	Passenger transportationdo EENT.  WS AND GROUNDS.  Mower Glass	5,082.6. 4,976.6. 10,358.7. 4,284.6. 29,005.5.  Total.  \$56.0 215.5. 331.5.
econd of Chird quantity of the Pourth of Supplier To Date.  1902. Dec. 9 1903. Sept. 21  1902. Sept. 25  1902. Fully 17	arter [narter] [narte	Passenger transportation	5,082.6. 4,976.6. 10,358.7. 4,284.6. 29,005.5.  Total.  \$56.0 215.5. 331.5.
econd of Chird quantity of the Courth of Court	arter quarter parter parter parter tental  tal  SETTLED BY TH  Name.  Southern Pacific Co.  The Chesapeake and Ohio Rwy. Co.  SPECIAL AG  A. S. Hitchcock  EXPERIMENTAL GARDEN  L. G. Orndorff S. Jacobs & Sons Edwd. S. Schmid do F. W. Bolgiano.	Passenger transportationdo	5,082.6. 4,976.6. 10,358.7. 4,284.6. 29,005.8.  Total.  \$56.6. 275.8.  \$1,000.6.  \$12.6.  \$12.6.  \$17.6.  \$17.6.  \$17.6.  \$17.6.  \$17.6.
econd of Chird quantity of the Pourth of Supplier To Date.  1902. Dec. 9 1903. Sept. 21  1902. Sept. 25  1902. Fully 17	arter quarter parter parter pental  tal  SETTLED BY TH  Name.  Southern Pacific Co  The Chesapeake and Ohio Rwy. Co  SPECIAL AG  A. S. Hitchcock  EXPERIMENTAL GARDEN  L. G. Orndorff S. Jacobs & Sons Edwd. S. Schmid do GF. W. Bolgiano E. G. Schafer & Co	REASURY.  Nature of payment.  Passenger transportation	5,082.6. 4,976.6. 10,358.7. 4,284.6. 29,005.8.  Total.  \$56.0. 215.3. 331.3. \$1,000.0.
econd of hird quality of the court of the co	arter quarter parter parter parter tental  tal  SETTLED BY TH  Name.  Southern Pacific Co.  The Chesapeake and Ohio Rwy. Co.  SPECIAL AG  A. S. Hitchcock  EXPERIMENTAL GARDEN  L. G. Orndorff S. Jacobs & Sons Edwd. S. Schmid do F. W. Bolgiano.	Passenger transportationdodo	5,082.6. 5,082.6. 4,976.6. 10,358.7. 4,284.9. 29,005.3.  Total.  \$56.0 275.3. 331.3. \$1,000.0.

Date.	Name.	Nature of payment.	Total.
1902.			
July 28	Samuel Bensinger Edw. S. Schmid	Horses	\$155.0
	Edw. S. Senmid	Cloth, etc	17.9 3.0
	do Chas. Becker J. J. Murphy E. M. Byrnes et al J. T. Walker Sons Houghton & Delano Hugh Reilly National Mortar Co Rudolph, West & Co Edw. \$S. Schmid Hugh Reilly James B. Lambie do	Raffia White lead Excavation Salaries	5.6
	J.J. Murphy	Excavation	120.0
31 Aug. 1	E. M. Byrnes et al	Salaries Lime	1, 269. 3
Aug. 1	Houghton & Delano	Plates	7.50 7.0
6	Hugh Reilly	Plates Glass	9.43
11	National Mortar Co.	Cement Hammers, etc	8.6
	Edw S Schmid	Soan etc	69. 9 15. 0
14	Hugh Reilly	Soap. etc. Glass	33.2
20	James B. Lambie	Oil stoves, etc Drawer pulls Wire arches	5. 10
23	Mothen Smith & Sons	Drawer pulls	2.4 33.8
26	Nathan Smith & Sons United States Electric Lighting Co	Arc lamps	55. o 77. 3
140	do	Arc lamps Electric current	3.6
	E. Morrison Paper Co	Ledger paper Cement	8.6
	J.T. Walker Sons	Screws, etc	12.5
	Church & Stephenson	Larmahon	$\frac{1.1}{347.73}$
	do	do	347.73 182.8
	do. E. Morrison Paper Co. J. T. Walker Sons Rudolph, West & Co. Church & Stephenson. do. W. Silas Sheetz. Jas. B. Lambie. Louis Hartig.	do Paper, etc Hardware Steel Silkoleen thread	6.6
	Jas. B. Lamble	Steel Steel	6. 20 5. 0
29	Louis Hartig Edw. S. Schmid	Silkoleen thread	3.7
	do		. 70
	National Mortar Co E. G. Schafer & Co	Cement	10.3
	Houghton & Delano	Pipe	3.0 2.4
	Houghton & Delano Thos. Somerville & Sons. Jas. J. Murphy E. M. Byrnes et al Chas. Becker	Fipe Films Plumber supplies Brickwork Salaries White load	3.1
30	Jas. J. Murphy	Brickwork	150.8
tont (	E. M. Byrnes et al	Salaries	1. 258. 10 11. 20
Sept. 4	Mathew Myers	Manure	$\frac{11.2}{20.0}$
8	E. G. Schafer & Co	Pipe, etc	19.4
20	Mathew Myers E. G. Schafer & Co W. H. Larman E. M. Byrnes et al	Pipe, etc Boilers Salaries	1,000.0
30			7,283.3
	Total first quarter		
Oct. 14	Thos. Ragan	Sod.	130.0
15 16	Geo F Muth & Co	Boilers	890.0 3.1
10	The Oliver Typewriter Co	Repairs to typewriter	6:0
	S. Eann, Sons & Co	Denim, etc	1.2
	S. Eann, Sons & Co W. H. Bairstow	Denim, etc Chimney cap	5.5
	S. Eann, Sons & Co W. H. Bairstow Columbia National Sand and Dredging Co- National Mortar Co	Oil Repairs to typewriter Denim, etc Chimney cap Sand, etc Cement	5.5 7.3
	Thos. Ragan W. H. Larman Geo. F. Muth & Co The Oliver Typewriter Co S. Eann, Sons & Co W. H. Bairstow Columbia National Sand and Dredging Co National Mortar Co Edw. S. Schmid	Denim, etc Chimney cap Sand, etc Cement Knives	5.5 7.3 10.3
	do	Cans, etc	5.56 7.36 10.36 8.00 49.48
	J. L. Dillon Columbia National Sandand Dyadging Co.	Cans, etc	5.5 7.3 10.3 8.0 49.4 4.8
17	J. L. Dillon Columbia National Sandand Dyadging Co.	Cans, etc	5.5 7.3 10.3 8.0 49.4 4.8 4.5
17	J. L. Dillon Columbia National Sandand Dyadging Co.	Cans, etc Tees Sand Brick laying Rugs	5.5 7.3 10.3 8.0 49.4 4.8 4.5 461.9 32.0
17	do J. L. Dillon Columbia National Sand and Dredging Co. J. J. Murphy W. B. Moses & Sons	Cans, etc Tees Sand Brick laying Rugs Fittings	5, 5 7, 3 10, 3 8, 0 49, 4 4, 8 4, 5 461, 9 32, 0 1, 5
	do J. L. Dillon Columbia National Sand and Dredging Co. J. J. Murphy W. B. Moses & Sons	Cans, etc Tees Sand Brick laying Rugs Fittings	5.5 7.3 10.3 8.0 49.4 4.8 4.5 461.9 32.0 1.5
17 18 22	do J. L. Dillon Columbia National Sand and Dredging Co. J. J. Murphy W. B. Moses & Sons	Cans, etc Tees Sand Brick laying Rugs Fittings	1.2 5.5 7.3 10.3 8.0 49.4 4.8 4.5 461.9 32.0 1.5 11.4 25.5 18.4
18	do J. L. Dillon Columbia National Sand and Dredging Co. J. J. Murphy W. B. Moses & Sons	Cans, etc Tees Sand Brick laying Rugs Fittings -do Bricks Putty, etc Beams, etc	5.5 7.3 10.3 8.0 49.4 4.8 4.5 461.9 32.0 1.5 11.4 25.5 18.4 34.5
18	do J. L. Dillon Columbia National Sand and Dredging Co. J. J. Murphy W. B. Moses & Sons	Cans, etc Tees Sand Brick laying Rugs Fittings do Bricks Putty, etc Beams, etc	5.5 7.3 10.3 8.0 49.4 4.8 4.5 461.9 32.0 1.5 11.4 25.5 18.4 34.5 2.0
18	do J. L. Dillon Columbia National Sand and Dredging Co. J. J. Murphy W. B. Moses & Sons	Cans, etc Tees Sand Brick laying Rugs Fittings do Bricks Putty, etc Beams, etc	5.5 7.3 10.3 8.0 49.4 4.5 461.9 32.0 1.5 11.4 25.5 18.4 34.5 2.0 191.6
18	do J. L. Dillon Columbia National Sand and Dredging Co. J. J. Murphy W. B. Moses & Sons Thomas Somerville & Sons do Geo. T. Langdon Geo. F. Muth & Co. C. A. Schneider's Sons Stumph & Lyford The Brennan Construction Co. Church & Stephenson	Cans, etc Tees Sand Brick laying Rugs Fittings do Bricks Putty, etc Beams, etc Rug Repairing roads Lumber	5.5 7.3 10.3 8.0 49.4 4.8 4.5 461.9 32.0 1.5 11.4 25.5 18.4 34.5 2.0 191.6 106.0
18	do J. L. Dillon Columbia National Sand and Dredging Co. J. J. Murphy W. B. Moses & Sons Thomas Somerville & Sons do Geo. T. Langdon Geo. F. Muth & Co C. A. Schneider's Sons Stumph & Lyford The Brennan Construction Co. Church & Stephenson Thos. Somerville & Sons W. B. Moses & Sons	Cans, etc Tees Sand Brick laying Rugs Fittingsdo Bricks Putty, etc Beams, etc Rug Repairing roads Lumber Plumbing materials Door mats	5.5 7.3 10.3 8.0 49.4 4.8 4.5 461.9 32.0 11.4 25.5 11.4 25.5 2.0 191.6 106.0 5.2 2.4
18 22 23	do J. L. Dillon Columbia National Sand and Dredging Co. J. J. Murphy W. B. Moses & Sons Thomas Somerville & Sons do Geo. T. Langdon Geo. F. Muth & Co C. A. Schneider's Sons Stumph & Lyford The Brennan Construction Co. Church & Stephenson Thos. Somerville & Sons W. B. Moses & Sons	Cans, etc Tees Sand Brick laying Rugs Fittings do Bricks Putty, etc Beams, etc Rug Repairing roads Lumber Plumbing materials Door mats Brass	5.5 7.3 8.0 49.4 4.8 4.5 461.9 32.0 1.5 11.4 25.5 2.0 191.6 106.0 5.2 2.4
18 22 23 27	do J. L. Dillon Columbia National Sand and Dredging Co. J. J. Murphy W. B. Moses & Sons Thomas Somerville & Sons do Geo. T. Langdon Geo. F. Muth & Co C. A. Schneider's Sons Stumph & Lyford The Brennan Construction Co. Church & Stephenson Thos. Somerville & Sons W. B. Moses & Sons	Cans, etc Tees Sand Brick laying Rugs Fittingsdo Bricks Putty, etc Beams, etc Rug Repairing roads Lumber Plumbing materials Door mats Brass Pipe	5.5 7.3 10.3 8.0 49.4 4.8 4.5 461.9 32.0 11.4 25.5 2.0 191.6 106.0 5.2 2.4 5.8
18 22 23	do J. L. Dillon Columbia National Sand and Dredging Co. J. J. Murphy W. B. Moses & Sons Thomas Somerville & Sons do Geo. T. Langdon Geo. F. Muth & Co C. A. Schneider's Sons Stumph & Lyford The Brennan Construction Co. Church & Stephenson Thos. Somerville & Sons W. B. Moses & Sons	Cans, etc Tees Sand Brick laying Rugs Fittings do Bricks Putty, etc Beams, etc Rug Repairing roads Lumber Plumbing materials Door mats Brass Brass Brass Baskets	5.5 7.3 10.3 8.0 49.4 4.8 4.5 461.9 32.0 11.4 25.5 5.1 8.4 34.5 2.0 191.6 106.0 5.2 2.3 7.5 2.2 2.3 7.5 2.2 2.3 7.5 2.2 2.3 7.5 2.2 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5
18 22 23 27	do J. L. Dillon Columbia National Sand and Dredging Co. J. J. Murphy W. B. Moses & Sons Thomas Somerville & Sons do Geo. T. Langdon Geo. F. Muth & Co. C. A. Schneider's Sons Stumph & Lyford The Brennan Construction Co. Church & Stephenson Thos. Somerville & Sons W. B. Moses & Sons C. J. McCubbin Co Edw. S. Schmid Chas. R. Edmonston do	Cans, etc Tees Sand Brick laying Rugs Fittings do Bricks Putty, etc Beams, etc Rug Repairing roads Lumber Plumbing materials Door mats Brass Pipe Baskets Jars Vases	5.5 7.3 10.3 8.0 9.0 9.4 4.8 4.5 5.1 1.5 2.5 2.0 1.5 5.2 2.0 6.1 5.6 2.4 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8
18 22 23 27	do J.L. Dillon Columbia National Sand and Dredging Co. J.J. Murphy W.B. Moses & Sons Thomas Somerville & Sonsdododo Geo. T. Langdon Geo. F. Muth & Co C.A. Schneider's Sons Stumph & Lyford The Brennan Construction Co. Church & Stephenson Thos. Somerville & Sons W.B. Moses & SonsdoJ. McCubbin Co Edw.S. Schmid Chas.R. Edmonstondodo	Cans, etc Tees Sand Brick laying Rugs Fittings do Bricks Putty, etc Beams, etc Rug Repairing roads Lumber Plumbing materials Door mats Brass Pipe Baskets Jars Vases	5.5 7.3 10.3 8.0 0 8.0 0 8.0 0 8.0 0 8.0 0 10.3 10.3 10.3 10.3 10.3 10.3 10.3
18 22 23 27	do J.L. Dillon Columbia National Sand and Dredging Co. J.J. Murphy W.B. Moses & Sons Thomas Somerville & Sonsdododo Geo. T. Langdon Geo. F. Muth & Co C.A. Schneider's Sons Stumph & Lyford The Brennan Construction Co. Church & Stephenson Thos. Somerville & Sons W.B. Moses & SonsdoJ. McCubbin Co Edw.S. Schmid Chas.R. Edmonstondodo	Cans, etc Tees Sand Brick laying Rugs Fittingsdo Bricks Putty, etc Beams, etc Rug Repairing roads Lumber Plumbing materials Door mats Brass Pipe Baskets Jars Vases Buzzers Ink, etc	5.5 3 7.3 8.0 9.0 49.4 8.8 4.5 5.4 9.4 8.8 4.5 5.5 4.6 1.9 9.2 1.5 4.9 1.5 4.9 1.0 6.2 2.4 4.5 5.8 2.1 4.5 5.8 1.3 3.4 5.5 6.2 1.4 5.5 6.2 1.4 5.5 6.2 1.5 6.2
18 22 23 27 29	do J.L. Dillon Columbia National Sand and Dredging Co. J.J. Murphy W.B. Moses & Sons Thomas Somerville & Sonsdododo Geo. T. Langdon Geo. F. Muth & Co C.A. Schneider's Sons Stumph & Lyford The Brennan Construction Co. Church & Stephenson Thos. Somerville & Sons W.B. Moses & SonsdoJ. McCubbin Co Edw.S. Schmid Chas.R. Edmonstondodo	Cans, etc Tees Sand Brick laying Rugs Fittings do Bricks Putty.etc Beams, etc Rug Repairing roads Lumber Plumbing materials Door mats Brass Pipe Baskets Jars Vases Buzzers Ink, etc Hardware	5.5 7.3 8.0 0 8.0 0 49.4 4.8 4.5 5.8 4.5 5.2 2.4 4.5 5.2 2.4 4.5 5.3 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5
18 22 23 27	do J. L. Dillon Columbia National Sand and Dredging Co. J. J. Murphy W. B. Moses & Sons Thomas Somerville & Sons do Geo. T. Langdon Geo. T. Langdon Geo. T. Langdon Ceo. F. Muth & Co C. A. Schmeider's Sons Stumph & Lyford The Brennan Construction Co. Church & Stephenson Thos. Somerville & Sons W. B. Moses & Sonsdo C. J. McCubbin Co Edw. S. Schmid Chas. R. Edmonstondo M. Du Perow Jno. C. Parker Thomas Somerville & Sons E. M. Byrnes et al. Thos. Somerville & Sons E. M. Byrnes et al. Thos. Somerville & Sons	Cans, etc Tees Sand Brick laying Rugs Fittings do Bricks Putty, etc Beams, etc Rug Repairing roads Lumber Plumbing materials Door mats Brass Pipe Baskets Jars Vases Buzzers Ink, etc Hardware Salaries Valves	5.5 3.7 3.8 8.0 4 8.8 4.5 5.2 6.1 10.3 3 8.0 4 9.4 4.8 8 4.5 5.5 18.4 4.5 1.5 11.4 4.5 5.5 5.2 2.0 1.9 1.6 1.5 2.2 2.4 4.5 5.2 2.2 1.4 4.5 5.2 2.3 1.229.4 2.2 3.5 2.2 4.5 2.3 2.3 1.229.4 2.5 3.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2
18 22 23 27 29	do J. L. Dillon Columbia National Sand and Dredging Co. J. J. Murphy W. B. Moses & Sons Thomas Somerville & Sons do Geo. T. Langdon Geo. T. Langdon Geo. T. Langdon Ceo. F. Muth & Co C. A. Schmeider's Sons Stumph & Lyford The Brennan Construction Co. Church & Stephenson Thos. Somerville & Sons W. B. Moses & Sonsdo C. J. McCubbin Co Edw. S. Schmid Chas. R. Edmonstondo M. Du Perow Jno. C. Parker Thomas Somerville & Sons E. M. Byrnes et al. Thos. Somerville & Sons E. M. Byrnes et al. Thos. Somerville & Sons	Cans, etc Tees Sand Brick laying Rugs Fittingsdo Bricks Putty etc Beams, etc Rug Repairing roads Lumber Plumbing materials Door mats Brass Pipe Baskets Jars Vases Buzzers Ink, etc Hardware Salaries Valves Valves Nails etc	5.5 7.3 8.0 0 49.4 4.8 5.4 4.5 5.8 2.4 4.5 5.8 2.3 1.229.4 5.5 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8
18 22 23 27 29	do J.L. Dillon Columbia National Sand and Dredging Co. J.J. Murphy W.B. Moses & Sons Thomas Somerville & Sonsdododo Geo. T. Langdon Geo. F. Muth & Co C.A. Schneider's Sons Stumph & Lyford The Brennan Construction Co. Church & Stephenson Thos. Somerville & Sons W.B. Moses & SonsdoJ. McCubbin Co Edw.S. Schmid Chas.R. Edmonstondodo	Cans, etc Tees Sand Brick laying Rugs Fittings do Bricks Putty, etc Beams, etc Rug Repairing roads Lumber Plumbing materials Door mats Brass Pipe Baskets Jars Vases Buzzers Ink, etc Hardware Salaries Valves	5.5 7.3 8.0 0 8.0 0 49.4 4.8 4.5 5.8 4.5 5.2 2.4 4.5 5.2 2.4 4.5 5.3 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5 6.5

 $Expenditures \ of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1903--Cont'd.$ 

Date.	Name.	Nature of payment.	Total.
1902.	T I I I I I I I I I I I I I I I I I I I		
ov. 4	United States Electric Lighting Co	Use arc lamps	\$7. 74.
	Mackall Bros	Cyanide of potash	5.
13	National Mortar Co		5.
	National Mortar Co E. G. Schafer & Co	Pipe	5. 13.
	do	Plumbing material	484
	Chas. Becker Rudolph, West & Co Thos. Somerville & Sons	Pipe Plumbing material Red lead Carpenters' tools, etc.	5. 80.
	Thos Somerville & Sons	Plumbing material	7.
			9.
	Church & Stephenson Henry A. Dreer (Incorporated) Columbia National Sand and Dredging Co	Lumber Thermometers	8. 13.
17	Henry A. Dreer (Incorporated)	Thermometers	13.
		Gravel	1. 10.
	M. Du Perow	Electric supplies	1.
29	E. M. Byrnes et al	Salaries	1,129.
ec. 1	M. Du Perow E. M. Byrnes et al Thos. Somerville & Sons Edw, Hurdle	Nails Electric supplies Salaries Plumbing materials Gutters	52.
9	Edw. Hurdle	Gutters	41.
2	do United States Electric Lighting Co do do		35. 3.
4	do	Rent, lamps Electric lights, September Electric lights, grounds, September	3. 7.
•	do	Electric lights, grounds, Sep-	70.
	do	Electric lights, September Electric lights, August	9.
	do	Electric lights, August	2. 7.
	do American Writing Machine Co	do	9.
	Church & Stephenson do do Magruder & Alexander	Lumber	55.
	do	do	36.
	do	Brick laying	10.
5	Magruder & Alexander	Brick laying	30.
6	E. M. Byrnes National Mortar Co. Daniel Hiser Frank Libbey & Co Jno. C. Parker Draper Manufacturing Co. Church & Stephenson	Expenses Cement	5. 1
()	Daniel Hiser	Pots	1. 22.
	Frank Libbey & Co	Lumber Dictionary stand Thermometer charts Lumber	37.
0	Jno. C. Parker	Dictionary stand	5.
8	Draper Manufacturing Co	Thermometer charts	3,
	do		127
10	Washington Gaslight Co S. S. Shedd & Bros Edwd, Hurdle	Gas Water heater Chimney caps	9. 127. 105.
	S. S. Shedd & Bros	Water heater	9. 21.
24	Edwd. Hurdle	Chimney caps	21.
31	J. J. Murphy E. M. Byrnes et al	Bricks Salaries	16. 1, 154.
91	E.M. Byrnes et al.	Salaries	1, 104.
	Total second quarter		7,137.
1903.			10
n. 5	H. G. Hodge Rudolph, West & Co Thos. Ragan Standard Oil Co Edward Hondle	Pecans	12. 41.
	Thos Ragan	Felt, etc Potting sod Tanks	23.
	Standard Oil Co.	Tanks	8.
	Edward Hurdle	Elbows Latches, etc	4.
	Rudolph, West & Co.	Latches, etc.	8.
	Edward Hurdle Rudolph, West & Co Edw. S. Schmid Potomac Electric Power Co.	Punk Electric current	7.
	do	Are lamp	7.
	do do	Arc lamp Electric current	6.
	do	Arc lamp	7.
	do	do	7. 13.
	do	do do	13. 74.
	do	do	77.
6	E. M. Byrnes Church & Stephenson Jas. B. Lambie J. C. Ergood Co	Expenses Lumber	8.
8	Church & Stephenson	Lumber	73.
10	Jas. B. Lambie	Grindstone	4. 5.
12	J. U. ETGOOU UO	Brooms	ə. 9.
	Edwd. Ĥurdle S. D. Hauek	Horse blanket, etc.	4.
	Houghton & Delano Church & Stephenson do	Brooms Drums Horse blanket, etc Photographic supplies Lumber Sills, etc Clamps Kerosene Lanterns Doors Trap	1. 28. 16.
	Church & Stephenson	Lumber	28.
	Thos. Somerville & Sons. Geo. F. Muth & Co.	Sills, etc	16.
	Thos. Somerville & Sons	Kerosene	5.
	do	Lanterns	2.
13	Thos. W. Smith	Doors	2. 6.
14	do Thos. W. Smith American Blower Co.	Trap Lumber Current do	91.
16	Church & Stephenson Potomac Electric Power Co	Lumber.	250.
	Potomac Flootpic Power Co	Current	
21	do	do	

Date.	Name.	Nature of payment.	Total.
1903.			
an. 21	Potomac Electric Power Co	Arc lamp	87.
	do d	Lighting grounds	7.
	Washington Gaslight Co.	Gas	13
	do	l do	7. 3.
	Barber & Ross	Locks, etc Pipe, etc	3.
	E. G. Schafer & Co	Pipe, etc	241. 5.
	Rudolph West & Co	Hardware	4.
	Mackall Bros	Hardware	9.
	E. G. Schafer & Codo  Rudolph, West & Co Mackall Bros Jno. B. Espey Thos. W. Smith Jas. B. Lambie Thos. Meehan & Sons The Wm. Kane Manufacturing Co S. S. Shedd Geo. F. Muth & Co	Can	
	Thos. W. Smith	Doors, etc	12.
23	Jas. B. Lambie	Tin cups Apple stocks, etc Copper tube Oil stove	4.
40	The Wm Kane Manufacturing Co	Copper tube	12.
	S. S. Shedd	Oil stove	6.
24 28	Geo. F. Muth & Co do	Putty Lanterns	3.
28	do do National Mortar Co Thos. W. Smith E. G. Schafer & Co E. M. Byrnes et al Daniel Hiser	Lanterns	3.
29	National Mortar Co	Cement Windows	17. 9.
	E G Schafer & Co	Screws	10.
31	E. M. Byrnes et al	Salaries	1.191.
b. 3	Daniel Hiser	Flower pots, etc	88.
2	The C. J. McCubbin Co Chas. Becker	Screws. Salaries Flower pots, etc. Pipe White lead Pipe, etc.	192.
6	Chas. Becker	White lead	28. 15.
0	Edwd. Hurdle The Alexandria Iron Works		46.
7	Woodward & Lothrop	Chairs, etc	7.
	Woodward & Lothrop E. M. Eyrnes	Chairs, etc. Expenses Transportation Lumber	ő.
9	United States Express Co Church & Stephenson Rudolph, West & Co Chas, Becker	Transportation	8.
	Church & Stephenson	Lumber Hinges	8.
	Chas Recker	Paint	3.
	Hugh Reilly	Paint Turpentine, etc	26.
	E. Morrison Paper Co.	Pencils, etc	1.
	Hugh Reilly E. Morrison Paper Co- Francis Miller	Pencils, etc Pencils, etc Drop black Nails, etc Transportation	1.
	Barber & Ross	Nails, etc	7.
11	Ine Witchell in	Transportation	4. 36.
11	Barber & Ross. The Geo. W. Knox Express Co. Jno. Mitchell.jr Mayfield & Brown	Fertilizer	26.
12	Adams Express Co Thos. Somerville & Sons do		36.
16	Thos. Somerville & Sons	Plugs, etc Plates, etc Pipe covering	5.
17	J. T. Walker Sons	Plates, etc.	6.
14	Thos, Ragan	Manure	6. 6.
	Columbia National Sand Dredging Co	Sand	ĭ.
20	Columbia National Sand Dredging Co National Mortar Co	Sand Cement	9.1
	I T Wollzon Conc	Limo	
31	The C.J. McCubbin Co. Thos. Somerville & Sons	Steam fittings	1964.
21	Thos. Somerville & Sons	Plumbing material	6. 10.
	do	do	93.
25	E. G. Schafer & Co	do	5.
	do E. G. Schafer & Co do	do	5. 57.
28	E. M. Byrnes et al The Hollands Manufacturing Co	Salaries Heaters, etc.	1,135.
r. 3	Vilmorin Andrioux of Cio	Heaters, etc	2. 3.
	Vilmorin, Andrieux et Cie The Chesapeake and Potomac Telephone	Plants Service	ə. 7.
	Co.		
	.a	Lumber	7.
	Church & Stephenson	Lumber	73.
	Church & Stephenson  do Thos. Ragan Potomac Electric Power Co	do	126.
5	Potomac Electric Power Co	Manure Current	5.
Ü	do	-do	5.
			92.
	Hugh Reilly Jas. B. Lambie do	do Lighting grounds Glass	2.
	Jas. B. Lambie	Hardware Mortising machine	3.
7	E M Byrnes	Mortising machine	25. 5.
9	E. M. Byrnes The Hydrocarbon Burner Co.	Khotal stove	ə. 4.
11	E. S. Schmid	Insecticide	7.
	Columbia National Sand Dredging Co	(4rave)	7. 3.
	F. W. Bolgiano	Wagon hames	2.
	Thos, Somerville & Sons E. G. Schafer & Co.	Wagon hames Charcoal Heating apparatus	1.
	do	do	1. 2.
	Church & Stephenson Nathan Smith & Son. Houghton & Delano	Shingles	õ.
16	Nathan Smith & Son.	Chrysanthemums Seed plates	30.
			3.

## 154 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

 $Expenditures of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1903-Cont'd.$ 

Date.	Name.	Nature of payment.	Total.
1903.			
Mar. 19	Thos. Somerville & Sons Rudolph, West & Co Barber & Ross	Heating apparatus	\$28.04
	Barber & Ross	Hardware Nails	2. 94 2. 55
23	Potomac Electric Power Co	Lighting grounds Current Lamps	81.90
	do	Current	7.51 1.60
26	do Washington Gaslight Co do Chas White	(†as	1.20 10.50
90	Ch - White	Clover sod	10.50
28 31	E. M. Byrnes et al	Salaries	8.50 $1,242.02$
-	Total third quarter		6, 217, 93
	-		
Apr. 6	E. M. Byrnes W. J. Campbell Edwd. S. Schmid	Expenses Repairs to mower	5.37
	Edwd. S. Schmid		3. 75 8. 75
		Iron, etc	11.47
7	M. Shughrue Danl. Hiser Jas. B. Lambie Barber & Ross	Repairs to pump Pots Hardware	3. 75 15. 00
	Jas. B. Lambie	Hardware	7. 22 . 50
	Barber & Ross.		. 50
9	do Church & Stephenson E. G. Schafer & Co E. Morrison Paper Co E. Frank Coe Co F. & L. Kahn & Bros Arthur H. Thomas Co	Nails. etc Lumber Plumbing; etc Manila envelopes Eartilizer	16.00 20.00
13	E. G. Schafer & Co	Plumbing; etc	2.99
14	E. Morrison Paper Co	Manila envelopes Fertilizer	4.50
14	F. & L. Kahn & Bros		10.75 2.30
		Burners_ Rubber tubing	3, 23
17	Z. D. Gilman The J. C. Ergood Co Louis Hartig	Thermometer Brooms	$\frac{1.50}{6.50}$
18	Louis Hartig	Iron ote	2.71
	Danl, Hiser	Flower pots	8.00
	C. H. Serrim	Lime Boiler patterns	3.00 6.00
	Warren M. Whyte	Boiler, etc.	5.40
25 30	J. T. Walker Sons C. H. Serrim Warren M. Whyte W. H. May & Son E. M. Byrnes et al	Boiler, etc. Track, etc. Salaries	9.00
May 8	Danl. Hiser	Pots	1, 191, 10 6, 40
111113	E. F. Brooks	Heater Fruit cans	10.00
	W.G. Orr & Co Washington Gaslight Co	Gas	1.00 1.80
	Washington Gaslight Codo E. G. Schafer & Co The Chesapeake and Potomac Telephone	do	.10
	E. G. Schafer & Co	Valves, etc	15.47
	Co.	Service	7.00
	United States Express Co	Transportation	1.65
	Potomac Electric Power Co	Current	7. 35 93. 00
	do Thos. Somerville & Sons	Current Lighting grounds Plugs, etc Saddle Clamps	1.15
9	S.D. Houck Jas. B. Lambie E. M. Byrnes	Saddle	6.00
16 18	Jas. B. Lambie	Expenses	21. 25 . 30
21	Thos. Ragen	Manure	5.00
26	Thos. Ragen Edwd. Hurdle Blue Line Transfer Co	Water heater Transportation	10,00
29	E G Schafer & Co	Valves.etc -	3, 32 25, 56
	E.M. Byrnes et al	Salaries Expenses	1,083,75
June 6	E. M. Byrnes et al E. M. Byrnes Washington Gaslight Co.	Expenses Gas	3.39
υ	do	do	. 40
	Potomac Electric Power Co	CurrentArc lamps	4, 29
	do	Arc lamps	89, 67 93, 00
	do W. H. Douglas Jas. B. Lambie	do Current Plumbing supplies	2.84
10	W. H. Douglas	Plumbing supplies	2.84 2.50 7.00
10	S. D. Houck	Vise Cart hames	2.00
	S. D. Houck Edwd. Hurdle Geo. F. Muth & Co	Iron pipe Oil. etc	2.25
	W Silas Sheetz	Machine, etc	46. 97 9. 30
12	W. Silas Sheetz Rudolph, West & Co- Thos, Somerville & Sons	Sash cord Clamps	25. 45 1. 90
	Thos. Somerville & Sons	Clamps.	1.90
13	Church & Stephenson	Caps, etc Shingles Lime	$     \begin{array}{r}       1.19 \\       68.19     \end{array} $
23	Church & Stephenson J. T. Walker Sons Church & Stephenson	Lime	. 75
	Church & Stephenson	Lumber	36. 25 7. 50
	Mackall Bros Thos. Somerville & Sons	Potassium Asbestos, etc	7.50 3.41
	Thos. Somerville & Sons Woodward & Lothrop Jas. B. Lambie	Asbestos, etc	1.94
		Shears	18.60

#### EXPERIMENTAL GARDENS AND GROUNDS—Continued.

Date.	Name.	Nature of payment.	Total.
1903. June 25 26 30	The Andrew Joyce Carriage Co. Colonial National Sand Dredging Co. Church & Stephenson. E. M. Byrnes et al.	Posts	\$0.75 .29 23.45 998.50
	Total, fourth quarter		4, 101. 47
	Supplemental.		
July 7 21 29	S. D. Houck Church & Stephenson Rudolph, West & Co The Chesapeake and Potomac Telephone Co.	Shears, etc	
	Washington Gaslight Co Potomac Electric Power Codo	Gas Currentdo	. 20 87. 34 2. 06
Aug. 12	Thos. Somerville & Sons	Threads, etc.	7.57
21 Sept. 3 11 Oct. 10	Edward Hurdle Columbia National Sand Dredging Co. E. M. Byrnes Olds & Whipple Geo. F. Muth & Co.	Expenses	. 65 1.80 3.20 40,32 . 35
	United States Express Co	Transportationdo	19.85 4.88
	` Total		192.22

#### RECAPITULATION.

First quarter	ar 999 90	
Second quarter		
Third quarter		
Fourth quarter	4, 101, 47	*
Supplemental	192.22	
**		
m + 3	20.002.01	

#### ARLINGTON EXPERIMENTAL FARM.

Date.	Name.	Nature of payment.	Total.
1902.			
July 14	C. R. Lake	Twine binders	\$50,00
26	Depue & Church	Oats and corn	93, 00
	F. W. Bolgiano	Seed drill, etc	37.35
	do	Cowpeas	18.00
28	H. C. Yoke	Horse	
	A. F. Burgess	Horses	275.00
31	L.C. Corbett et al	Salaries	
Aug. 1	W.H. May & Son	Harrow	35.00
	Cropley & Boteler	Bridle bits, etc	19.47
4	J. M. Rixey	Mules	175.00
	J. C. Nelson	Manure	20.00
26	Henry K. Field & Co	Flooring, etc	43. 25
	Depue & Church	Oats and corn	
	E. J. Pullman	Plates	2.10
2.41	Louis Hartig	Pads, etc	3.50
27	W. Silas Sheetz	Camera, etc	18.30
	L. C. Corbett et al.		859.00
	L. C. Corbett		13.03
30	L. C. Corbett et al	Salaries	820.00
	Total first quarter.		3,559.06
0-4 0			
Oct. 2	Magruder & Alexander	Bricklaying	75.00
9	E.D. Shackelford		150.00
1**	J. M. Rixey		137.00
17 27	Magruder & Alexander	Bricklaying	60.00
21	Depue & Church	Feed	55.80
	W. Silas Sheetz		
		Shutter	32.0
	Louis Hartig	Horse brushes, etc.	6.64
31	P. H. Heiskell, jr., & Co.	Bolts, sections, etc	8.40
91	L. C. Corbett et al	Salaries	823.5

## $Expenditures \ of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1903-{\bf Cont'd}.$

#### ARLINGTON EXPERIMENTAL FARM—Continued.

Date.	Name.	Nature of payment.	Total.
1902.			
Nov. 1	H. J. Davie	Drill tires, etc	\$4.0
3	Thos. Somerville & Sons	Valve	1.2
13	National Mortay Co	Brick	500.0 51.6
10	Thos Somerville & Sons E. M. Grinder National Mortar Co Rudolph, West & Co Wm. Walter's Son Church & Stephenson	Cement Horseshoes, etc	8.9
	Wm. Walter's Son.	Repairs to buggy	5.0
	Church & Stephensondo	Lumber	$\frac{4.3}{72.5}$
			11. 2
17	do Magruder & Alexander	Laying brick	165.0
	C. A. Schneider's Sons.	Stoves	8.8
29	Jas. M. Rixey L. C. Corbett et al C. A. Schneider's Sons	Salaries	75.0 769.7
Dec. 1	C. A. Schneider's Sons	Stoves	1.6
3 4	Edwd. M. Grinder Magruder & Alexander	Brickdo	255. 0 63. 0
6	National Mortar Co.	Cement	6.8
Ů	do	do	8.6
	W. H. May & Sons Cropley & Boteler Edwd. M. Grinder	Millet, etc	24. 9
8	Edwd M Grinder	Bricks	$\frac{41.13}{152.0}$
	J. McL. Dodson		42.0
10	J. McL. Dodson F. W. Bolgiano & Co Houghton & Delano	Blankets, etc	5. 2
27 31	L. C. Corbett et al	Blankets, etc. Solio paper Salaries	6. 0 711. 0
91			
1903.	Total second quarter		4, 389. 2
Jan. 5	Cropley & Boteler	Knives	12.4
8	Cropley & Boteler. Church & Stephensondo	Lumber	27 7: 35, 50
	do	do do	106.0
	Jas. B. Lambie	Nails	64.3
9	L. C. Corbett		64.3
12	L. C. Corbett W. H. May & Son L. C. Corbett	Steel track, etc Expenses Camera, etc	20. 10 51. 5
2.10	W. Silas Sheetz	Camera, etc.	25.40
10	W. Silas Sheetz Geo. F. Muth & Co. Church & Stephenson Thos. Meehan & Sons Lovi: Heutig	Scale	1, 216. 73 9. 73
13 15	Thos Meehan & Sons	Lumber Seeds	9 7
16	Louis Hartig	Scales	47. 5
21	Louis Hartig Geo, F. Muth & Co. Louis Hartig Barber & Ross	Oil, etc Iron, etc Nails	34.2
	Rarber & Ross	Nails	8.8
	do	do.	$\frac{2.4}{7.2}$
	do Thos. W. Smith W. Silas Sheetz Thos. Meehan & Sons	Building material	24. 7 229. 4
	Thos. W. Smith	Envelopes	229. 4 8. 5
23	Thos. Meehan & Sons	Envelopes Apple stock, etc Framing rafters Thrashing Desk and chairs	6.1
	Thos. Meenan & Sons Chas. Sebastine Jas. Roberts Woodward & Lothrop Louis Hartig L. C. Corbett et al T. W. Smith	Framing rafters	10.0
24	Jas. Roberts	Thrashing	32.0 19.8
29	Louis Hartig	Scale	23.5
31	L. C. Corbett et al	Salaries Box frame, etc	694.5
Feb. 3	T. W. Smith Walter Roberts	Box frame, etc	$\frac{7.1}{36.0}$
6		do	20, 0
3	do Chas. Newlon Church & Stephenson	Setting windows, etc Lumber Chair	33.0
.9	Church & Stephenson	Lumber	55.2
	W. B. Moses & Sons	Tin plate etc	4.70 17.4 17.10
11	P. H. Heiskell, ir., & Co	Tin plate, etc Hardware Seedlings	17.1
14	The Allegheny Orchard Co	Seedlings	47.2
17	Wm. Krafft	Microscope Roof boards	37. 1 29. 0
	G. G. Boteler	Pipe	.6
20	W. B. Moses & Sons Barber & Ross. P. H. Heiskell, jr., & Co The Allegheny Orchard Co Wm. Krafft Church & Stephenson G. G. Boteler J. T. Walker Sons P. Mann & Co	Pipe Paper, lime, etc Wagon skein	4.2
00	P. Mann & Co. L. C. Corbett et al W. L. King Blue Line Transfer Co	Wagon skein	1.5
28 Mar. 3	W. L. King	Salaries Knives	507.3 4.4
19	Blue Line Transfer Co	Knives Transportation	. 7
	Barber & Ross. L. C. Corbett et al.	Snips Salaries	1.6
31			572.5
	Total third quarter		4,117.0
Apr. 7	W. H. May & Son Barber & Ross	Buckwheat Nails	2, 8 15, 1
		1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	10.1

#### ARLINGTON EXPERIMENTAL FARM—Continued.

Da	ite.	Name.	Nature of payment.	Total.
190	03.			
Apr		G. G. Boteler	Files	\$21.
-I	24	Chas. Becker	White lead	5.
	25	C. A. Schneider's Sons	Stove	4.
		W. H. May & Son	Shellers, etc	13.
	28	Fred A. Schmidt	Profile paper	11.
	30	L. C. Corbett et al		684.
9.5	7 8	Geo, F. Muth & Co.	Brushes	2.
		Louis Hartig		õ.
			do	12.
		Henry K. Field & Co	Door	40.
		Warren M. Whyte		3.
		United States Express Co	Transportation	
		do	do	
		Church & Stephenson	Lumber	5.
	9	H. K. Field & Co	Doors	40
	22	L. C. Corbett	Expenses	16.
		Lewis Roesch		9
	26		Plants	36
		Harry K. Field & Co	Doors	
	20	F. W. Bolgiano & Co.	Nails, etc.	20
	29	Z. D. Gilman	Chemicals	1
	31	L.C.Corbett		749
m	e 9	W. H. May & Sons	Cart	22.
		W. M. Galt & Co	Hay	35
		George F. Muth & Co	Brushes, etc	3
	20	J. A. Finnell & Co	Oak	25.
		do	Telephone poles	25.
	22	Houghton & Delano	Plates	2.
		G. G. Boteler	Farming implements	18.
	23	W. M. Galt & Co	Oats	39.
		W. B. Moses & Sons	Desk	34
		Barber & Ross	Wrench	1
		do	Nails, etc.	11.
	25	Louis Hartig	Wire stretcher	2
	26	Church & Stephenson	Lumber	8
	60	W. M. Galt & Co	Hav	8
		The H. P. Densher Co	Soil pulverizer	42
	29	United States Envelope Co		6
	30	L. C. Corbett et al	Envelopes	742
	90	L.C. Corbett et al	Salary	4 ±2
		Total fourth quarter		2.754
		Supplemental.		
10	13	J. J. Harrison & Son	Apple trees	6
-3	18	Yawman & Erbe Manufacturing Co	Sections	32
	20	M. G. Parsons	Salary	12
	24	W. H. May & Son	Rope, etc.	32
10	. 4	Barber & Ross.		9.
48	15	The George W Knoy Eypress Co	Nails Transportation	θ.
	17	The George W. Knox Express Co Yawman & Erbe Manufacturing Co	Soctions	41
		awman & Erbe Manufacturing Co	Sections	43
PI	t. 9	do	File case, etc	4-5
		Total		178

#### RECAPITULATION.

First quarter Second quarter Third quarter Fourth quarter Supplemental	 4, 389, 22 4, 117, 04 2, 754, 61
Total	 14,998.81

#### INVESTIGATING PRODUCTION OF DOMESTIC SUGAR.

Date.	Name.	Nature of payment.	Total.
Sent 6	Chas. F. Saylor  do do The Press Clipping Bureau  do Chas. F. Saylor	Salary Expenses Traveling expenses Clippingsdo Salary	\$225.00 8.80 86.17 5.00 5.00 225.00

## $Expenditures \ of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30,1903---Cont`d.$

## INVESTIGATING PRODUCTION OF DOMESTIC SUGAR-Continued.

Date.	Name.	Nature of payment.	Total.
1902.			
ept. 12	Chas. F. Saylordo	Traveling expenses Expenses	\$100. 12.
	do	Expenses	12.9
	Total first quarter		667.
et. 7	Chas. F. Saylor	Salary	225.0
	do	Expenses	6.4
Tov. 10	do do	Expenses Traveling expenses Expenses	54. 3.
101.10	do	Salary	225.
18	do Chicago and Northwestern Rwy. Co Minneapolis and St. Louis R. R. Co The Press Clipping Bureau. Chicago and Northwestern Rwy. Co Union Pacific R. R. Co Chas, F. Saylor do	Traveling expenses Passenger transportation  do	48. 10.
	Minneapolis and St. Louis R. R. Co	do	8.
ec. 22	The Press Clipping Bureau.	Clippings Passenger transportation do Salary	5. 9
ec. s	Union Pacific R. R. Co.	do	3. 4.
5	Chas. F. Saylor	Salary	4. 225.
			9. 111.
12	do The Press Clipping Bureau	Clippings	5.
	Total second quarter		944.
	2000 0000 quai toi		017.
1903. in. 15	Chas. F. Saylor	Expenses	21.
iii. 10	do	Solory	225.
	do	Traveling expenses	55. 5.
24	Brentanos Erie R. R. Co	Traveling expenses Fountain pen Passenger transportation	5.
24 26	Chicago Great Western Rwy. Co- Chicago, Milwaukee and St. Paul Rwy. Co-	do	6.
27	Pennsylvania R. R. Co	do	13 6.
eb. 5	C. F. Saylor do	Expenses	40.
	do	Traveling expenses	29.
19	do Pennsylvania R. R. Co Chicago and Northwestern Rwy. Co	do Expenses Traveling expenses Salary Passenger transportation.	225 17
	Chicago and Northwestern Rwy. Co	do	2.
	do Chicago, St. Paul, Minneapolis and Omaha Rwy. Co. C. F. Saylor do	dodo	11. 11.
	Rwy. Co.	6.1	225
ar. 9	C.F.Saylor do	Salary Expenses	225. 66.
	Total third quarter		967.
pr. 8	Chas. F. Saylor	Traveling expenses	60.
	do	Salary Expenses	225 44
17	do The Press Clipping Bureau Michigan Central R. R. Co The Lake Shore and Michigan Southern	Clippings	20.
18	Michigan Central R. R. Co	Passenger transportationdo	9. 15.
	Rwy. Co.		10.
	Pere Marquette R. R. Co	do	9.
	Rwy. Co. Pere Marquette R. R. Co. The Minnesota and St. Louis R. R. Co. Chicago, Rock Island and Pacific Rwy. Co.	do	18
ay 9	Chas F. Saylor do do do	Salary Expenses Traveling expenses do Salary Expenses	225
10	do	Expenses Traveling expenses	48. 45.
10	do	do	85.
10		Salary	225
12 24	Ponnsylvania Co	Passenger transportation	. მ. 16
	do do Pennsylvania Co Pennsylvania R. R. Co. Chicago, Rock Island and Pacific Rwy. Co.	dodo	5. 16. 17.
	Chicago, Rock Island and Pacific Rwy. Co.	do	20.
	Total fourth quarter		1,097.
	_	]=	
alv 0	Supplemental.	Theyelingernorses	50
uly 9	C.F. Saylordo	Traveling expenses Salary	59. 225.
16	do Chicago, Milwaukee and St. Paul Rwy. Co	Salary Passenger transportationdo	11.
110. 10	Chicago Rock Island and Pacific Rwy Co	Expenses	38. 4.
ug. 10 17	The Press Clipping Bureau	Clippings	15.
19	C.F. Saylor The Press Clipping Bureau Northern Pacific Rwy. Co	Clippings Passenger transportation	12.
ct. 31	do	do	12.
0.0.			

#### RECAPITULATION.

First quarter Second quarter Third quarter Fourth quarter Supplemental	944.15 967.43 1,097.56
Total	1.057 10

#### TEA-CULTURE INVESTIGATIONS.

D	ate.	Name.	Nature of payment.	Total.
Au	902. g. 15 ot. 10	Jno. H. Kinsler do		\$84.20 84.20
	24	Lela R. Gadsden Jno. H. Kinsler	Traveling expenses	5, 64 23, 60
		Total first quarter		197.64
Oc	t. 2	Jno. H. Kinsler Lela R. Gadsden	Salary	81.60 25.00
No	v. 10			84.20
De	c. 3	Lela R. Gadsden	Passanga tunanantation	25.00 6.20
De	4	Jno. H. Kinsler Lela R. Gadsden San Antonio and Aransas Pass Rwy. Co Jno. H. Kinsler	Salary	81.60
	0	uo	Traveling expenses	89.65
	8	Lela R. Gadsden	Salary	25.00 84.93
	19	Rodney H. True Southern Rwy. Co	Traveling expenses Passenger transportation	14.50
	31	J. H. Kinsler	QO	41.45
	91	J. H. Kinsler	Salary	84.20
1	903.	Total second quarter		643, 33
Jai	1. 5	I. P. Roosa	Expenses	15.86
	9	L. C. Corbett	Traveling expenses	73.39
	$\frac{15}{20}$	Lela R. Gadsden	Salary	25.00 462.32
		Stewart, McLeod & Co. Davidson & Co. (Limited)	Tea rollers. Compressing machine	235.64
		Killenon & Co	Tea seed	177. 92
	24	J. P. Williams & Bros	do	109.50 7.15
	27	San Antonio and Aransas Pass Rwy. Co Louisville and Nashville R. R. Co	Fassenger transportationdo	8.48
Fe	31	J. H. Kinsler Lela R. Gadsden	Salary	86.10
re	b. 5 11	W. O. Richtmann	Weights -	25.00 7.50
	12	I. P. Roosa	Expenses	23. 76
	19	Jno. H. Kinsler	Traveling expenses	28.90
		Chicago and Northwestern Rwy. Co Southern Rwy. Co.	do	3.92 13.00
7.	28	Llva E. Hicks	Salary	77, 80
Ma	r. 6	Lela R. Gadsden Jno. H. Kinsler	do	25.00 77.80
		do "	Expenses	42.20
	17	Eimer & Amend	Balance	65, 00
	21 31	Chas. U. Shepard Elva E. Hicks	Expenses Salary	37. 10 86. 10
	91			
Λ	6	Total third quarter		1,714.44
AI	or. 6	Lela R. Gadsden Jno. H. Kinsler	do	25. 00 86. 10
	13	Hugh Reilly The Folmer & Schwing Manufacturing Co. R. S. Long Western Union Telegraph Co	Plates	8.00
	14	The Folmer & Schwing Manufacturing Co.	Camera	50.60
	17	Western Union Telegraph Co	Hopper Service	47.50 21.42
		ao	OO	36.60
	18	E. G. Schafer & Co International and Great Northern R. R. Co	Pipe, etc	147.65 30.05
		Southern Rwy, Co.	dodo	30. 05 17. 76
	0.	Southern Rwy. Co Baltimore and Ohio R. R. Co	do	17.50
	21 30	Bausch & Lomb Optical Co Elva E. Hicks	Salary	110, 36 82, 40
Ma		Jno. H. Kinsler	do	82.40 82.40
		Geo. F. Mitchell	do	16,00
	7	Lola R Gadadan	do	39, 60
	8	The Geo. W. Knox Express Co.	Transportation	25, 00 . 25
		Lela R. Gadsden The Geo. W. Knox Express Co. Adams Express Co R. S. Long	do	. 35
	15	K. S. Long	Repairing machine	45.00

#### TEA-CULTURE INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
May 15	I. W. Brandell	Flasks	\$4.5
16	Houghton & Delano	Paper	1.8
22	Chas. U. Shepard	Expenses	100.3
31	W. O. Richtmann et al	Salaries	204.4
June 3	Chas U. Shepard W. O. Richtmann et al Morgan's Louisiana and Texas Railroad and Steamship Co. Atlantic Coast Line R. R. Co	Passenger transportation	6.5
	Atlantic Coast Line R. R. Co	do	23. 2
5	J. P. Williams & Bros	Tea seed	146.0
	Jno. H. Kinsler The Bailey Lebby Co	Salary	85.2
	The Balley Lebby Co	Steam hose	37. 2 46. 5
10	do	Pulley, etc	40.8
11	Lela R. Gadsden	Salary	25.0
12	Rodney H True	Traveling expenses	13.8
17	Rodney H. True Eimer & Amend	Traveling expenses Chemical thermometer	8.6
11	do	Barometer	46, 5
23	do	Photo supplies	30, 0
	T P Roose	Expenses	37. 5
	Eimer & Amend	Expenses Rubber tubes, etc	61. 5
	Honry I Green	Thermometer	4. (
	Bausch & Lomb Optical Co	Water bath	21.5
26	Washington Southern Rwy. Co	Passenger transportation.	15.8
	do	do	15.8
	do	do	15.8 197.8
30	W.O. Richtmann et al	Salaries	
	Total fourth quarter		2,079.3
	. Supplemental.		
July 1	W.O. Richtmann Yawman & Erbe Manufacturing Co	Traveling expenses Sections, etc	77.0
	Yawman & Erbe Manufacturing Co	Sections, etc	45.2
11	I. P. Roosa	Expenses	34.8
	C. U. Shepard	do	24.1
13	J. H. Kinsler G. F. Mitchell	do	408.
15	L. R. Gadsden	Salary	39. 0 25. 0
	J. H. Kinsler	do	82.
	dodo	Traveling expenses	52.
	W Silas Shootz	Camera, etc.	33.
17	Re ington Manufacturing Co	Expenses	3.
18	Re meton Manufacturing Co	Expenses Remington still and cage	35.0
25	Stewart, McLeod & Co	Apparatus	73.
29	Bausch & Lomb Optical Co.	Lahels etc	61.
Aug. 15	The Geo. W. Knox Express Co	Transportation Traveling expenses Tintometer, etc	
25	Edward Kremers Arthur H. Thomas Co	Traveling expenses	41.9
26	Arthur H. Thomas Co	Tintometer, etc	242.
Sept. 18.	Edward Kremers	Salary	25.
	Western Union Telegraph Co	do	25.
	Western Union Telegraph Co	Telegraph service	3.
	do Pennsylvania R. R. Co	Passenger transportation do	90
	Pennsylvania R. R. Co	Passenger transportation	23.
	Texas and New Orleans R. R. Co	d0	5.8 31.8
	Washington Southown Press Co	do do	15.8
19	Washington Southern Rwy. Co. Atlantic Coast Line R. R. Co.	do	31.
19	Southern Rwy. Co.	do	35.
Oct. 14	M Du Perow	Electric motor	102.
) Ob. 14	M. Du Perow United States Express Co	Transportation	44.
19	I. P. Roosa	Expenses	78.
21	Fimor & Amond	Balance	11.3
31	Atlantic Coast Line R. R. Co.	Balance Passenger transportation	31.
	Atlantic Coast Line R. R. Co. Chicago, Milwaukee and St. Paul Rwy. Co. M. Du Perow	do	21.
	as D	Regulator	9.
Nov. 13	M. Du Perow	Regulator	

#### RECAPITULATION.

First quarter	. \$197.64
Second quarter	
Third quarter	
Fourth quarter	2,079,33
Supplemental	1,778.14
out Promoting	
	0 18 2 00

#### PURCHASE AND DISTRIBUTION OF VALUABLE SEEDS.

Da	te.	Name.	Nature of payment.	Total.
190	)2.			
July	5 18	B. T. Galloway	Traveling expensesdo	\$8.62 40.68
	19	C.F. Wheeler D. W. Galehouse E. Morrison Paper Co N. Studer	ob	5 66
	25	E. Morrison Paper Co	Books Verbena plants	5. 66 2. 40
		N. Studer	Verbena plants	1.44
		Western Sund and Invigation Co	Rye grass	1.71 1,409.32
	1	J. M. McCullough's Sons	Cucumber seed	90.00
		Dayton Paper Novelty Co		28.00
		Western Seed and Trigation Co J. M. McCullough's Sons Dayton Paper Novelty Co Edwin R. Bullinger Denys Zirnglebel Wolf Bros A. J. Pieters. Henry A. Dreer W. D. Popor	Books Books Pansy seed Envelopes Traveling expenses Lilium harrisii Fans Registers	3.00
		Wolf Bros	Envelopes	5.00 8.90
	26	A. J. Pieters	Traveling expenses	15.00
		Henry A. Dreer	Lilium harrisii	55.00
		M. Du Perow Jas. A. Berberick Fred. A. Schmidt	Pagistans	25.00 20.00
	28	Fred. A. Schmidt	Paper	1.80
		lac V Looch	Paper Repairs—bicycle Envelopes	2.50
	04	Wolf Bros A.J. Pieters et al. Church & Stephenson	Envelopes	5.06
Aug	31	Church & Stanhauson	Salaries Shelving, etc	2,730.65 18.01
Aug	. 1	do	Boards	6.38
	6	E. Morrison Paper Co	Boards Sheet holders	2, 75
		do	Tags	. 95 6. 00
	8.	Church & Stephenson do E. Morrison Paper Co do do W. W. Tracy, jr Woodward & Lothrop do Fred. A. Schmidt J. P. Nawyath	Traveling expenses	87. 10
	0.	Woodward & Lothrop	Traveling expenses Mirror and screen Stand	10.00
		do	Stand	3.62
	11	J. P. Nawrath	Paper Twine	3.87 15.40
		W. A. Burnee	Portulaca	2.00
		R. A. Smith Manufacturing Co	Stamp holder	1.75 2,239.00
	14	F. W. Bolgiano & Co	Seeds, etc	2,239.00
		W. B. Moses & Sons	Furniture etc	315.95 60.82
		United States Envelope Co.	Envelopes	6, 93
		J. P. Nawrath W. A. Burpee R. A. Smith Manufacturing Co F. W. Bolgiano & Co Jno. E. W. Tracy W. B. Moses & Sons United States Envelope Co Library Bureau W. G. Johnston & Co Leonard Seed Co Eberhard Faber Houghton & Delano	Twite Portulaca. Stamp holder Seeds, etc. Traveling expenses Furniture, etc Envelopes Stand and cards.	22.60
	15	W.G. Johnston & Co	Ledgers	20.50
	16	Eberhard Faber	Seeds Bands	790.95 139.63
	26	Houghton & Delano	Photographic supplies	6.21
		Geo. P. McCabe	Traveling expenses	34.35
		E. G. Schafer & Co.	Pine etc	1.24 5.01
		Houghton & Delano. Geo. P. McCabe United States Electric Lighting Co E. G. Schafer & Co Capital Traction Co Jno. C. Parker	Photographic supplies Traveling expenses Lamps Pipe, etc Tickets Letter press, etc Advertising do do	10.00
	27	Jno. C. Parker	Letter press, etc.	57.22
	29	The Evening Star Newspaper Co	Advertising	4.76
		The Evening Star Newspaper Co	do	6. 75 5. 04
		The Washington Post Co	do	6.97
0 (	30	A. J. Pieters et al	Salaries	2,729.35
Sept	3	Capital Traction Co Jno. C. Parker The Evening Star Newspaper Co The Washington Times Co The Evening Star Newspaper Co The Washington Post Co A. J. Pieters et al R. P. Andrews & Co. (Incorporated) F. M. Hollister W. H. McCray W. I. Jochum Vanderbilt Express Co L. C. Corbett	Salaries Wrapping paper Negatives Labor and materials, warehouse	90.00 7.50
	5	W. H. McCray	Laborand materials, warehouse	4,000,00
		W. I. Jochum	Traveling expenses	4. 75 6. 11
	6	Vander bilt Express Co	Traveling expenses Freight charges Traveling expenses do Passenger transportation do Selevice	6.11
	12	vander bit Express Co L. C. Corbett B. T. Galloway Pennsylvania R. R. Co Central Vermont Rwy Co A. J. Pieters et al W. H. McCray	dodo	50.00 21.35
	18	Pennsylvania R. R. Co	Passenger transportation	4.00
	90	Central Vermont Rwy Co	Calaria	8, 61
	30	W H McCray	Salaries Labor and materials, warehouse	2, 985, 25 4, 550, 00
		Total first quarter		22,808.42
Oct.	1	T. W. Wood & Son Will W. Tracy. jr A. D. Shamel E. M. Byrnes Geo. F. Muth & Co. Geo. R. Jennings Chas. Becker		7,717.00
000.	3	Will W. Tracy, jr	Traveling expenses	64. 41
	4	A. D. Shamel	do	64. 41 7. 90 16. 40
	$\frac{14}{16}$	Geo F Muth & Co	Oil etc	16, 40 33, 95
	20	Geo. R. Jennings	Shade fixtures	3.00
		Chas. Becker	White lead	5.60
		Walken & Hagleton	Bonging hierole	28.00
	17	Walker & Hazleton United States Envelope Co W. B. Moses & Sons	Envelopes	9.00 10.83
		W. B. Moses & Sons	Brass binding	6.00
		ao	Burlan	6.00
		Lamb & Tilden	matting, etc	38. 75 8. 75
		TT TO OIL	ponge rubber	0. 10

## $Expenditures of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30, 1903-{\bf Cont'd}.$

Date.	Name.	Nature of payment.	Tota
1902.			
et. 17	Geo. W. Churchill Lamb & Tilden Thos. Somerville & Sons	Salary, July to October Rubber type, etc Plumbers' supplies Pencit pointer Coddington Seed Lumber	\$60
	Lamb & Tilden	Rubber type, etc	2
20	Thos. Somerville & Sons	Plumbers' supplies	
20 21 22	Jno C Parker	Pencil pointer	3
21	Bausch & Lomb Optical Co. F. W. Bolgiano & Co. Church & Stephenson	Coadington	1 9
22	Church & Stophongon	Lumbon	20
	Church & Stephensondo  Robt, Buist & Co J. M. Thorburn & Co T. W. Wood & Sons J. T. Willard W. B. Moses & Sons D. Frank Parkor	do	15
23	Robt. Buist & Co	Seeds	675
100	J. M. Thorburn & Co	do	47
	T. W. Wood & Sons	Oats	5
	J. T. Willard	Wheat	49
	W.B. Moses & Sons	Rubber Typewriter paper	8
	D. Frank Parker Brentanos Landvoigt & Co Neely Electric Co Goodwin, Harries & Co do R. P. Clarke Co The C. J. McCubbin Co do	Typewriter paper	6
	Londwick & Co	Scale	$\frac{3}{1}$
25	Neely Electric Co	Paste Electric supplies	2
(41)	Goodwin Harries & Co	Seeds	162
	do	do	5 696
27	R. P. Clarke Co	Bags	5,696 $152$
	The C. J. McCubbin Co	Plumbing	24
	do	do	36
	do	Typewriter and cover	38
	Wyckoff, Seamans & Benedict	Typewriter and cover	90
	E. G. Schafer & Co	Pipe, etc	18
28	Manuica Toyca Fucusying Co	Traveling expenses	30
20	Geo. B. Massey Maurice Joyce Engraving Co Jno. Mitchell, jr	Plumbing materials	70
	Robt. Gair	Seed bags	29
	Peter Henderson & Co	Bulbs	14
	Peter Henderson & Co C. G. Hopkins	Seed bags Bulbs Salary Jars	60
29	Chas. R. Edmunston	Jars	. 1
	Library Bureau	Sand Shade Bends	5
	M. Du Perow Thos. Somerville & Sons	Shade	1
	Thos. Somerville & Sons	Bends	ĝ
31	Mackall Bros	Potash, etc	9 951
ov. 3	A. J. Pieters et al. Woodward & Lothrop Thos. Somerville & Sons	Salaries Chairs, etc	3, 251 11
OV. 9	Thos Somerville & Sons	Fittings	25
		Fittings Photographic supplies	2
	Rudolph, West & Co Library Bureau C. G. A. Voight	Hinges, etc.	2
4	Library Bureau	Hinges, etc	26
10	C. G. A. Voight		21
		Salary	50
	Capital Traction Co	Tickets	10
	Capital Traction Co. A. J. Pieters. A. J. Pieters. Autographic Register Co. Wm. K. Harris. Norfolk and Washington Steamboat Co. Houghton & Delano. National Mortar Co. Rudolph, West & Co. do. Thos. Somerville & Sons. do. Z. D. Gilman Church & Stephenson. do.	Wheat Salary Tickets Traveling expenses Slips Rubber plants Transportation Selion represes	25
	Autographic Register Co	Slips Dubbon plonts	79
	Norfolk and Washington Steamhoat Co	Transportation	50 130
13	Houghton & Delano	Solio paper	2
10	National Mortar Co	Solio paper Cement	ĩ
	Rudolph, West & Co	Saw, etc	-
	do	Building paper	1
	Thos. Somerville & Sons	Plumbing material	73
	do	Saw, etc. Building paper Plumbing material do Chemicals	24
	Z. D. Gilman	Chemicals	0.6
	Church & Stephensondo	Lumberdo	86
	do	do	86 35
17	I M Lunton	Labor, etc	50
1.	J. M. Lupton The Globe Register Co Henry A. Dreer (Incorporated)	Carbon rolls	2
	Henry A. Dreer (Incorporated)	Carbon rolls Labels	59 59
	W.G.Orr & Co	Satchel baskets	10
	W.G. Orr & Co American Writing Machine Co	Satchel baskets Typewriter paper	22
	Broderick Bros	Radiator	38
	Woodward & Lothrop	Cloth, etc Pails and hod	5 1
10	Donnaylyania P. P. Co	Paus and hod	16
18	Pennsylvania R. R. Co	Passenger transportation	42
	New York Central and Hudson River R. R.	do do	50 11
	Co.		11
	Co. The Wabash R. R. Co Michigan Central R. R. Co Baltimore and Ohio R. R. Co The Colorado and Southern Rwy. Co The Long Island R. R. Co do New York Central and Hudson River R. R.	do	40
	Michigan Central R. R. Co	do	7
	Baltimore and Ohio R. R. Co	do	7 13
	The Colorado and Southern Rwv. Co	do	6
	The Long Island R. R. Co	do	4
	do	do	4
	New York Central and Hudson River R. R.	do	4
	Co.		

## $Expenditures of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30, 1903-{\rm Cont'd}.$

Date.	Name.	Nature of payment.	Total.
1902.			
Nov. 18 19	The Oregon Railroad and Navigation Co.	Passenger transportation	\$7.3
19	Okonite Co. (Limited)	Wire	14.7
	W. Atlee Burpee & Co	Seeds	1,551.7
	J. M. Thorburn & Co.	do	1,551.7 107.6 40.0
	W. Atlee Burpee & Co Vaughan's Seed Store J. M. Thorburn & Co	do Photographic supplies Mat	19.0
	Houghton & Delano W. B. Moses & Sons Thos. Somerville & Sons	Photographic supplies	6.6
	W. B. Moses & Sons	Mat	1.2
			3.8 3.8
	do W. Silas Sheetz Geo. F. Muth & Co. The C. J. McCubbin Co. E. G. Schafer & Co. Vaughan's Seed Store Thos. Somerville & Sons	Photo supplies Paints, etc Pipe. Pipe, etc Seeds Lavatories, etc Tubes. Podiatore	21.5
20	Geo. F. Muth & Co	Paints, etc	31.0
	The C. J. McCubbin Co	Pipe.	60.5
	Veughan's Sood Stove	Pipe, etc	291.8 1,380.0
21	Thos. Somerville & Sons	Lavatories, etc	45.9
			17.8
22	Broderick Fros	Radiators	
	M Du Ferow	Tubes, etc	27.1
	Ellwanger & Rarry	Trees	43. 2 6. 0
	N. H. Willett Drug Co	Tubes, etc Plumbers' supplies Trees Cotton seed	2. 2
25	Geo. F. Muth & Co	Paint	33. (
29	Broderick Fros M Du Ferow Jno. Mitchell, jr Ellwanger & Barry N. H. Willett Drug Co Geo. F. Muth & Co A. J. Pieters et al Edw. S. Schmid E. G. Shafer & Co J. E. W. Tracy	Salaries Packing moss	3, 237, 3 14, 0
Dec. 1	Edw. S. Schmid	Packing moss	14.0
•	J. E. W. Tracy	Pipe, etc Traveling expenses	47.4 447.0
2	J.E. W. Tracy W. M. Girandeau J. M. Thorburn Co. Western Seed and Irrigation Co.	C 3	2, 451, 6
	J. M. Thorburn Co	Beet seeds	2,451.6 $1,500.0$
	Western Seed and Irrigation Co	Seeds and bags	111 9
3	Wm. H. Lacy	Plastering, etc.	192. 8
4	The Geo W Knov Express Co	Transportation	10.0
	F. N. Meyer	Salary	1.3 50.0
	Northrup-King Co	Seeds	3,843.0
_	J. M. Thorburn & Co	do	920.0
5 6	Western Seed and Irrigation Co. Wm. H. Lacy Pacific Coast Steamship Co. The Geo. W. Knox Express Co. F. N. Meyer Northrup-King Co. J. M. Thorburn & Co. The Washington Times Co. National Mortar Co. Lamb & Tilden. Jno. C. Parker The C. J. McCubbin Co. F. Barteldes & Co. W. F. Allen	Seeds Beet seeds Seeds and bags Plastering etc Passenger transportation Transportation Salary Seeds do Advertising Cement	6.3 1.7
U	Lamb & Tilden	Pads, etc	6.2
	Jno. C. Parker	Files	2. 1 18. 4
	The C.J. McCubbin Co	Plumbing	18.4
8	F. Barteldes & Co	Seeds Strawberry plants	1, 755. 9
	Henry A Dreer (Incorporated)	Plants	244. 0 630. 7
	J.P. Nawrath	Plants Twine	14, 4
	T.S. Hubbard Co	Current plants	20.4
	The Stumpp & Walter Co	Seeds Graduates	84.2
	Canital Traction Co	Tickets	2.0 10.0
	Thos, Cook & Son	Passenger transportation	6.5
12	F. Barteldes & Co. W. F. Allen Henry A. Dreer (Incorporated) J. P. Nawrath. T. S. Hubbard Co. The Stumpp & Walter Co. Whitall, Tatum Co. Capital Traction Co. Thos. Cook & Son. Rudolph, West & Co. Z. D. Gilman	Hardware, etc	13, 8
	Z. D. Gilman Barber & Ross Palman Moog Johnson & Stokes	Hardware, etc Alum and soda Nails, etc Bulbs	9. d
	Palman Moog	Nails, etc.	9, 0 3, 337, 0
	Johnson & Stokes	Seeds	89, 6
	G. L. Taber	Orange trees	4.0
	Elton Fullmer D. L. Pierson	Analysis of beets	5, 0
	D. L. Pierson	Pecans	25.0
	T.S. Hubbard Co Henry A. Dreer (Incorporated) Thos. Mechan & Sons (Incorporated) E.J. Spangler & Co	Grape vines Seeds	541. 5 46. 5
	Thos. Meehan & Sons (Incorporated)	Beeus	4.4
	E. J. Spangler & Co.	Bags	11.1
1.5	F. Barteldes	Bags Seeds, etc Trayeling expenses	162.9
15 16	J. E. W. Tracy	Traveling expenses	10.8
10	T. W. Wood & Son	Seedsdo	262. 0 200. 0
17	J. E. W. Tracy  M. M. Miesse & Son  T. W. Wood & Son  Jerome B. Rice Seed Co.	do	1 207 2
	E. Morrison Paper Co	Pencils	. 5
19	Baltimore & Ohio R. R. Co	Passenger transportationdo	. 50 16. 50 13. 50
	Southern Rwy Co	do	13.50
	Pennsylvania R. R. Co	do	14.0
22	F. P. Starr	Wiring warehouse	45.0
	do	do	2. 5 25. 0
24 31	Jerome B. Rice Seed Co E. Morrison Paper Co Baltimore & Ohio R. R. Co Pennsylvania Co Southern Rwy. Co Pennsylvania R. R. Co F. P. Starr	Gas fitting Salaries	25. 0
51	A. J. Pieters et al	Salaries	3, 219. 2
	Total second quarter		48, 321. 6

 $Expenditures \ of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1903-{\bf Cont'd.}$ 

ate.	Name.	Nature of payment.	Tota
903.			
n. 2	F. P. Starr F. N. Meyer Jerome B. Rice Seed Co. L. G. Carpenter	Call bells	\$11
	F. N. Meyer	Call balls Salary Beet seed Sugar beets Barley Bulbs Beet seed Packing moss Typewriter stand Repairs to camera Seeds	50
5	Jerome B. Rice Seed Co	Beet seed	494
	L.G. Carpenter	Sugar beets	100
	W. D. Hoard Henry A. Dreer (Incorporated) J. M. Thorburn & Co	Barley	50
	Henry A. Dreer (Incorporated)	Bulbs	85
	J. M. Thorburn & Co	Beet seed	70
	Edw. S. Schmid	Packing moss	210
	J. M. Thorburn & Co Edw. S. Schmid. American Writing Machine Co The Folmer & Schwing Manufacturing Co. W Atlee Burnes	Typewriter stand	8
6	The Folmer & Schwing Manufacturing Co.	Repairs to camera	2
			3
	C. C. Morse & Co_ The Okonite Co. (Limited)	Wire	19 10
	The Okonite Co. (Limited)	Wire	10
7	G. L. Taber	Fruit trees Moving telephone	14 • 5
*	The Presum Pag Eilling Machine Co	Destring telephone	0 550
12	G. D. Baser The Brown Bag Filling Machine Co Jas. A. Berberich C. A. Muddiman & Co	Hoving telephone Putting up seeds. Paper Hot plate Electric suppliesdo	6,553
1.0	C A Muddiman & Co	Hotelete	5
	M. Du Perow	Floatric curpling	9
		de de	8
	Woodward & Lothron	Desk	24
	Thos Somerville & Sons	Unions, etc	2
	do	Fittings	22
13	Thos W Smith	Doors etc	16
14	do Woodward & Lothrop Thos. Somerville & Sons do Thos. W. Smith F. P. Starr I. M. Thorphyrn & Co	Fittings Doors, etc Call bell	18
15	J. M. Thorburn & Co	Seeds	1,700
10	The Market Co. (To see 4 al)	Seeds Trees, etc	517
	Thos. Meenan & Sons (Incorporated) T. S. Williams. The Albert Dickinson Co. R. P. Summerkamp T. W. Wood & Sons Geo. W. Churchill.	Seeds	699
	The Albert Dickinson Co	do	216
16	R. P. Simmerkamp	Rice	15
	T. W. Wood & Sons	Roane	10
	Geo. W. Churchill		59
	Thos, Meehan & Sons (Incorporated)	Plants	279
20	J. E. W. Tracy	Traveling expenses	16
	E. F. Spears & Sons	Grass seed	777
	Chas. Parker	Seed	454
	Robt. Gair	Envelopes	59
	Robt. Craig	Plants	75
	Geo. W. Churchill Thos. Meehan & Sons (Incorporated) J. E. W. Tracy E. F. Spears & Sons Chas. Parker Robt. Gair Robt. Craig T. S. Hubbard Co A. J. Pieters	do	36
21	A. J. Pieters	Expenses Traveling expenses	91
	do	Traveling expenses	28
	J.T. Walker & Sons	Pipe	12
	Maurice Joyce Engraving Co	Plates Bushings, etc	10
	Neely Electric Construction and Supply Co	Bushings, etc	10
	do J. T. Walker & Sons Maurice Joyce Engraving Co Neely Electric Construction and Supply Co E. G. Davis	Labor	159
	E. G. Davis do E. G. Shafer & Co do	do	58
	E.G. Shaler & Co	Tees, etc Ells	11
	0	Piros	1
	do Hugh Reilly do Woodward & Lothrop	Pipes	1
	nugh nemy	Class	2
	Woodward & Lothnon	Wattle and ner	2
	do	Turpentine Glass Kettle and pan Can	í
	do	Mirrors	5
	do	Mirrors Pens and cards	5
		Deek	17
	United States Electric Lighting Co W. B. Moses & Sons	Lamps	10
	W. B. Moses & Sons	Lamps Table, etc Electric supplies Wire, etc	10 52
	M. Du Perow	Electric supplies	6
		Wire etc	8
	C.J. McCubbin Co	Repairs	2
	E. Morrison Paper Co	Cards and pencils	2
	Rudolph, West & Co	Brushes, etc	7
	C. J. McCubbin Co. E. Morrison Paper Co. Rudolph, West & Co. The Smith Premier Typewriter Co. Mackall Bros	Repairs Cards and pencils Brushes, etc Repairs Soda	8
	Mackall Bros	Soda	9
	do	Lime	2
	The Geo. W. Knox Express Co	Transportation	245
	D. Frank Parker	Typewriter	245 18
	The Geo. W. Knox Express Co. D. Frank Parker Thos. W. Riley Jos. A. Berberich T. W. Wood & Son Postal Telegraph Cable Co.	Lime Transportation Typewriter Manure Prepared paper Peas Service	100
22	Jos. A. Berberich	Prepared paper	3
	T. W. Wood & Son	Peas	2,750
	Postal Telegraph Cable Co	Service	405
23			405
	J. M. Thorburn & Co	Seedsdo	665 71
	Waldo Rohnert	do	71
	Wyckoff, Seamans & Benedict	Repairs	9
24	J. M. Thorburn & Co Waldo Rohnert Wyckoff, Seamans & Benedict B. T. Galloway	Repairs Traveling expenses Fittings Values	37
	Thos. Somervine & Sons	Fittings	2
	Northern Pacific Rwy. Co	Values Passenger transportation	9 10

Date.	Name.	Nature of payment.	Total.
1903.			
Jan. 24	Cincinnati Northern R. R. Co The Geo, W. Knox Express Co Louisville and Nashville R. R. Co Michigan Central R. R. Co The Brown Bag Filling Machine Co Geo. P. Killian Co Geo. F. Muth & Co United States Envelope Co Leonard Tufts Church & Stephenson do do do do do do do do do	Passenger transportation	\$10.00
26	The Geo. W. Knox Express Co	Transportation	28. 24 20. 63
27	Michigan Central R. R. Co.	do do	14 95
28	The Brown Bag Filling Machine Co	Putting up seeds	6, 424, 92 206, 70 23, 77
	Geo. P. Killian Co	Paper boxes	206. 70
29	Geo. F. Muth & Co	Envelopes	40, 80
40	Leonard Tufts	Trees	36, 00
	Church & Stephenson	Lumber	5. 78 18. 60
	do	Jambs and transoms	18.60 27.35
	do	Lumber	28. 10
	do	do	38. 27
	do	do	49.40
	00 do	do	64. 77 87. 48
	do	do	134.00
	Yawman & Erbe Manufacturing Co	Sections	47.00
	Jno. Mitchell, Jr	Pipe, etc	8, 92 12, 00
31	do do do Yawman & Erbe Manufacturing Co Jno. Mitchell, jr Ernest Betz A. J. Pieters et al J. M. Thorburn & Co	Salaries	3, 319, 41
Feb. 2	J. M. Thorburn & Co	Seeds	425, 00
	D. V. Burrell J. Ross Collins	do	125.00 1.317.50 96.63
	J. Ross Collins	Bags	96.63
*	Polman Mooy	Bulbs	99 80
0	J. R. Henry	Millet	38. 25 6. 75 318. 00
3	United States Envelope Co	Millet Ribbons Envelopes Copyholder Seed do Salary Shipping tags, etc Barrels Deeks etc	318.00
~	Fox Typewriter Co. (Limited)	Copyholder	2.00 18.64
	D. I. Bushnell & Co	Seed	18.64
5	J. H. H. Boyd	Salary	1. 90 50, 00
6	Jno, C. Parker	Shipping tags, etc	26.05
	Jno. M. Beavers.	Barrels	12.00
7 9	J. R. Henry D. Frank Parker United States Envelope Co. Fox Typewriter Co. (Limited) D. I. Bushnell & Co J. H. H. Boyd F. N. Meyer Jno. C. Parker Jno. M. Beavers. Woodward & Lothrop W. B. Moses & Sons E. Morrison Paper Co. do	Desks, etc	18, 90 23, 93
9	E. Morrison Paper Co	Corrugated paper	12,00
	E. Morrison Paper Co	Desks, etc Screen, etc Corrugated paper Pencils Cabinet, etc	1.20 12.15
	Yawman & Erbe Manufacturing Co	Cabinet, etc	12. 15 26. 10
	do	Sections Cabinet.etc Transportationdo Traveling expenses Gas fittings Seedsdo Typewriter.etcdo Sections Bond paper Car tickets	28.58
	Blue Line Transportation Co	Transportation	. 50 3. 00
11	Con D No Coho	Two realings own and a	3,00 19,15
11	Geo. P. McCabe Jas. T. O'Brien F. W. Bolgiano & Co do	Gas fittings	2.50
	F. W. Bolgiano & Co	Seeds	2,50 60,83
	dodo	do	430.80
	wyckon, Seamans & Benedict	Typewriter, etc	90.00
	Yawman & Erbe Manufacturing Co.	Sections	92, 25 43, 25
12	American Writing Machine Co	Bond paper	18.00
	do Yawman & Erbe Manufacturing Co. American Writing Machine Co Capital Traction Co. Adams Express Co The Goodwin Harris Co Northrup, King & Co. Jerome Rice Seed Co. The Henry Phillips Seed and Implement	Uar tickets	10.00 2.35
14	The Goodwin Harris Co	Seeds	6,695,00
	Northrup, King & Co	do	4,395.20
	The Henry Phillips Seed and Implement	do	3,479,00 700,00
	Co.		100.00
		do	1,729.83
	T. W. Wood & Sons	do	2,414.80
	T. W. Wood & Sons. T. S. Williams. Elias L. Rivers. J. M. Thorburn & Co. The Draper Manufacturing Co. The Geo. W. Knox Express Co.	do	600, 00 300, 00
	J. M. Thorburn & Co	do	78.98
16	The Draper Manufacturing Co	Repairing thermometers	6.75
	do	do	. 62 35. 08
	Thos. Somerville & Sons	Pump, etc.	3, 60
	mb P P P P P P P P P P P P P P P P P P P	Pipe, etc	8, 29 6, 683, 01
	The Brown Bag Filling Co	Seeds	6,683.01 10.00
	H. Weber & Sons	do	12.00
17	N. L. Willet Drug Co	do	12.00 9.75 10.20
	D. F. Parker	Typewriter paper	10.20
	F. W. Bolgiano & Co	Harness	15. 26 30, 00
18	The Geo, W. Knox Express Codo do do Thos. Somerville & Sons do The Brown Bag Filling Co. S. J. Reuter H. Weber & Sons N. L. Willet Drug Co D. F Parker Church & Stephenson F. W. Bolgiano & Co. W. W. Tracy. sr New York, New Haven and Hartford R. R. Co.	Salary	116.67
	New York, New Haven and Hartford R. R.	Passenger transportation	7.80
	Co.		

Date.	Name.	Nature of payment	Total
1903.			
eb. 19	The Pennsylvania R. R. Co	Passenger transportation	\$10
	The Long Island R. R. Co	do	52 52
	Baltimore and Ohio R. R. Co	Transportation	52
	The Pennsylvania R. R. Co. The Long Island R. R. Co. Baltimore and Ohio R. R. Co. Bobbink & Atkins S. J. Goddard J. M. Thorburn & Co. J. T. Jones D. M. Ferry & Co. C. F. Moore T. J. King Peter Henderson & Co. Jerome B. Rice Seed Co. T. W. Wood & Son. do. do	do Transportation Lilacs Plants Seed mixture	10 10
20	J. M. Thorburn & Co	Seed mixture	15
	J. T. Jones	Seed mixture Cotton seed Seeds Cotton seed do Seeds	15 225 847
	D. M. Ferry & Co	Seeds	847
	C. F. Moore	Cotton seed	500 120
	Peter Henderson & Co	Seeds	7/
	Jerome B. Rice Seed Co.	do Tobacco seed do do	3, 283 517 1:
	T. W. Wood & Son	Tobacco seed	517
24	do	do	1:
21	The Merrice Terror Engaging Co	Transparing	100
24	The Maurice Joyce Engraving Co	Index section atc	15
N. I.	D. W. Galenouse	Traveling expenses	1,
25	Edwd. H. Morrison	Sugar-beet seed	900
	American Writing Machine Co	Typewriter paper	25
	Edwd. H. Morrison American Writing Machine Co C. A. Muddiman Jas. B. Lambie	Burners	
28	Geo Meier & Co	Gum avabie	10
20	Jas. B. Lambie Geo. Meier & Co A. J. Pieters et al M. Cushman & Co T. W. Wood & Sons Jas. B. Allen C.G. Hopkins W. Atlee Burpee & Co F. Barteides & Co The Globe Register Co W. Atlee Burpee & Co do do	do Engraving Index section, etc Traveling expenses Sugar-beet seed Typewriter paper Burners Locks Gum arabic Salaries Corn Seeds	3.36
ar. 3	M. Cushman & Co	Corn	300
	T. W. Wood & Sons	Seeds Cotton seed Sugar beets	4 37
	Jas. B. Allen	Cotton seed	37
	W. Atlan Propries & Co.	Sugar beets	9. 35.
	F Barteldes & Co	do	25
	The Globe Register Co	do Paper Seeds	2 3
	W. Atlee Burpee & Co	Seeds	1,450
	do	do	26
	Ino M Poulzon	Cotton seed	17. 200
	E J Spangler & Co	Baos	200
	Faucher Creek Nurseries (Incorporated)	Berry plants	
	J. M. Thorburn & Co	Teosinte	1:
	do do Jno. M. Parker E. J. Spangler & Co. Faucher Creek Nurseries (Incorporated) J. M. Thorburn & Co do do do	Bags Berry plants Teosinte Seeds	13
	do	do	1:
	do do	do do	2:
	do	do	1.008
	Henry A. Dreer (Incorporated)	Plants Service	110
	The Chesapeake and Potomac Telephone Co	Service	1:
	do F. P. May & Co. Wyckoff, Seamans & Benedict	Trucks	1:
	Wyckoff Seamans & Benedict	Trucks Ribbons Typewriter Flower pots Daters Traveling expenses Salary	1
	do	Typewriter	119
	Daniel Hiser Lamb & Tilden W. W. Tracy, sr	Flower pots	
	Lamb & Tilden	Daters	1:
4	w. w. Tracy, srdo	Salary	110
4	F N Meyer	do	5
	F. N. Meyer The Brown Bag Filling Machine Co	do	6, 35
	Wolf Bros Potomac Electric Power Co	Envelopes	
5	Potomac Electric Power Co	Class	1
7	The Andrew I Jovee Currings Co.	Wagon ton	4
9	T. J. King	Cotton seed	12
	Hugh Reilly The Andrew J. Joyce Carriage Co T. J. King Mary Best do The Henry Phillips Seed and Implement	Current Glass Wagon top Cotton seed Sorghum seed Seeds do	50
	do	Seeds	50
	The Henry Phillips Seed and Implement	ao	89
	do.	do ·	120
	Geo. W. Millar & Co	Manila paper	3
	Peter Henderson & Co	Seeds	5.
	Geo. W. Millar & Co. Peter Henderson & Co. dodo	do	109
	do Jno. (Friffin The Albert Dickenson Co. D. M. Ferry & Co. Northrup, King & Co. Vilmorin, Audrieux & Co.	Clover good	500
	D. M. Farry & Co.	Soode	127
	Northrup King & Co	do	4
	Vilmorin, Audrieux & Co	do	749
	Peter Fisher	Cuttings	17
	Vilmorin, Audrieux & Co Peter Fisher J. M. Thorburn & Co A. J. Pieters. J. E. W. Tracy Yawman & Erbe Manufacturing Co E. Morrison Paper Co Jno. C. Parker	do do Cuttings Seeds Traveling expenses do Sections	17
11	A. J. Pieters	Traveling expenses	17 18
	Vawman & Erbe Manufacturing Co	Sections	49
	E. Morrison Paper Co	Bags	19
		Carbon paper	13

Date.	Name.	Nature of payment.	Total
1903.		,	
Iar. 11	The Hammond Typewriter Co	Typewriter stand	\$3
14	Robt. Gair	Envelopes	2,017 12 15
16	Cleveland Seed Co	Beans	2,017
	Saml. G. Stoney	Rice Seeds	12
	D. M. Ferry & Co Henry F. Mitchell J. M. Thorburn & Co	do	1
	I M Thorburn & Co	do	81
	Henry C. Anthony E. Brown Geo. P. McCabe E. Morrison Paper Co	do	173
	E. Brown	do raveling expenses	25
	Geo. P. McCabe	Expenses	2 83
18	E. Morrison Paper Co	Bags	33
	J. L. Taber The Brown Bag Filling Machine Co	Peach scions Putting up seeds	
10	The Brown Bag Filling Machine Co	Putting up seeds	6,324
19	The Brown Bag Filling Machine Co.  W. W. Tracy, sr T. W. Wood & Sons. J. M. Thorburn & Co E. J. Spangler & Co. Alburtus N. Clark. Clucus & Doddington Co. J. M. Thorburn & Co. do	Salary Seedsdo Satchelseed bag	125
20	T. W. Wood & Sons	Seeds	62
	J. M. Thorburn & Co	Cotobologod bog	158
	Alburtus V Clark	Corn	3 67 12
	Clucus & Doddington Co	Bulbs	67
	J. M. Thorburn & Co.	Seeds.	12
	do	do	145
	do	Beans	666
	do	Seeds	768
	do J.C. Robinson Wyckoff, Seamans & Benedict do E. F. Price & Co H. Webber & Sons C.C. Morse & Co	Seeds_ Sweet corn	932
21	Wyckoff, Seamans & Benedict	Typewriters	182
	do	do	90
	E.F. Price & Co	Prepared paper Carnation cuttings	49
	H. Webber & Sons	Carnation cuttings	21 149
	C. C. Morse & Co	Seeds	399
	do Jas H. Shepard Wm. Henry Maule Portland Seed Co. Henry Nungesser & Co	do	280
	Wm Henry Maule	Seeds	3
	Portland Seed Co	do	105
	Henry Nungesser & Co	do	102
	do	do	6
	Henry A. Dreer (Incorporated)	Seeds	102 6 17
	J. M. Thorburn & Co	do	74
20	The Goodwin-Harries Co	Electric connections	2,226
23	Henry Nungesser & Co do Henry A. Dreer (Incorporated) J. M. Thorburn & Co The Goodwin-Harries Co Potomac Electric Power Co Woodward & Lothrop Potomac Electric Power Co C.C. Morse & Co	Electric connections	16
	Woodward & Lothrop	Desk and stool	26
	Potomac Electric Power Co C. C. Morse & Co Vilmorin, Andrieux & Co The Stumpf & Walter Co Washington Gaslight Co F. W. Bolgiano & Co Church & Stephenson	Current	5 298
24	Vilmovin Andrioux & Co	Seedsdo	56
25	The Stympf & Welter Co	do	70
26	Washington Gaslight Co	Gas	***
140	F. W. Bolgiano & Co	Seeds	251
	Church & Stephenson	Seeds Lumber	34
	do	do	82
	Daniel Heiser F. W. Wood & Sons J. Bolgiano & Son T. W. Wood & Sons	Pots.	15
	F.W. Wood & Sons	Seeds Beans	414
	J. Bolgiano & Son	Beans	232
	T. W. Wood & Sons	Corn Tobacco seed	316
	do	Tobacco seed	65 9
	W Atlee Rurnee	Seedsdo	169
	do W. Atlee Burpee J. M. Thorburn & Co do Henry A. Dreer (Incorporated)	do	126
	do	do	18
	Henry A. Dreer (Incorporated)	do do Dahlias, etc	50
		Dahlias, etc	12
	Vanchan's Seed Stores	Sood	9
	Yawman & Erbe Manufacturing Co	File	14 243
27	Yawman & Erbe Manufacturing Co R. P. Andrews & Co. (Incorporated) Jas. S. Topham	See File Manila paper Repairing trunk Slips Peas Salaries	243
	Jas. S. Topnam	kepairing trunk	7
	Autographic Register Co Reichart & Schulte	Pons	88
31	A.J. Pieters et al	Salariae	35 3,912
91	**************************************	Detret 100	9, 512
	Total third quarter		105,863
pr. 1	W. W. Tracy, sr: F. N. Meyer	Salary	133
	F. N. Meyer The Henry Phillips Seed and Implement Co	do	50
2	The Henry Phillips Seed and Implement Co	Seeds	ĩ
			949
	do	do	3,038
	do The E. B. Clark Co do J. M. Thorburn & Cododo W. Atlee Burpee & Co	do	1,169
	I M Thoubum & Co		325
	do	do	19.
		<del>u</del> 0	40 17
	W Atlee Burnee & Co		

## $Expenditures of \ Department of \ Agriculture \ for \ year \ \epsilon nding \ June \ 30, 1903-{\bf Cont'd}.$

Date.	Name.	Nature of payment.	Tota
.903.	*		
or. 2	W. Atlee Burpee & Co	Seeds	\$80
	do	do	\$80 1,123
	Jaroma B. Rigo Sond Co.	de	480
	Comstock, Ferre & Co. Stumpf & Walter Co. Bobbink & Atkins.	do	47 17 85
	Stumpf & Walter Co	do	17
	Bobbink & Atkins	Fruit trees.	85
	D. M. Ferry & Co E. W. Bullinger Washington Gaslight Co F. W. Bolgiano & Co	Seeds	79
	Washington Gaslight Co	Postal and Shippers' Guide Meter connections Seeds.	4
	F W Bolgiano & Co	Seeds	(
		do	6
	do American Writing Machine Co. Capital Traction Co W.B. Moses & Sons	do do Paper Tickets Table, etc.	32 77
	American Writing Machine Co.	Paper	77
	Capital Traction Co	Tickets	10
	W.B. Moses & Sons	Table, etc	10
3		Seed corn Seeds Cut, signature	
	Portland Seed Co. The Maurice Joyce Engraving Co.	Seeds	
	The Maurice Joyce Engraving Co	Cut, signature	
4	A. D. Shamel	Salary	120
	A. D. Shamel  The Brown Bag Filling Machine Co. The Andrew J. Joyce Carriage Co. The Hammond Typewriter Co. Jno. C. Parker	Salary Putting up seed, Repairs to wagon Typewriter stand	4, 42
6	The Andrew J. Joyce Carriage Co	Repairs to wagon	12
10	The Hammond Typewriter Co	Typewriter stand	
11	Jno. C. Parker	Fountain pen Letter-file boards Fertilizer Azalea plants	
	F W Poloriono & Co	Fortilizer	1.
	I Louis Loose	Azalas plants	18 5
	W H May & Son	Oats	
	do F. W. Bolgiano & Co. J. Louis Loose W. H. May & Son Edw. S. Schmid	Labele	
	do	do Numbering machines Typewriter, etc	3
	J. Baumgarten & Sons Wyckoff, Seamans & Benedict J. B. Kendall Woodward & Lothrop	Numbering machines	5
	Wyckoff, Seamans & Benedict	Typewriter, etc	95
	J. B. Kendall	Drill, etc Burlap and chair	1.
13	Woodward & Lothrop	Burlap and chair	2:
	M. Du Perow Hugh Reilly	Electric supplies Turpentine Note books	
	Hugh Reilly	Turpentine	
	Brentano's The Maurice Joyce Engraving Co	Note books	:
	The Maurice Joyce Engraving Co	Engraving	
1.	do Blue Line Transfer Co Lilly, Borgardus & Co Autograph Register Co C. C. Morse & Co do do	Transportation	1
14	Antoemark Besister Co	Seeds	9
	C C Morse & Co	T oftwar good	4,27
	do	Parenin seed	70
	do	Onion seed	70: 66
	do	Lettuce seed	26
	Stumpf & Walter Co	Seeds.	18
	Henry A. Dreer (Incorporated)	do	18
	D. M. Ferry & Co.	do	
	Washington and Southern Rwy. Co	Transportation, seeds	1
	do Stumpf & Walter Co Henry A. Dreer (Incorporated) D. M. Ferry & Co Washington and Southern Rwy. Co do do do do do	do	- 6
	do	do	7
	do	do	5
	do	do	
	The Pandolph Pener Pow Co	Pomphlot aggs	1
	do The Randolph Paper Box Co Eberhard Faber T. W. Wood & Sons	do Pamphlet cases Bands	5
	T W Wood & Sons	Seeds	9
	do	do	2 1
	Wabash R. R. Co	Seedsdo Transportation, seeds	1
	W. W. Tracy, ir	Expenses	2
16	do Wabash R. R. Co W. W. Tracy, jr Thos. Meehan & Sons The Geo. W. P. Jerrard Co. United States Envelope Co	Trees	2 1 3
	The Geo. W. P. Jerrard Co.	Potatoes Envelopes	1
	United States Envelope Co	Envelopes	3
	Vaughan's Seed Store	Seeds.	6
	The Henry Phillips Seed and Implement Co	Sweet corn	39
	G. W. Oliver	Traveling expenses Transportation, beans	2
	Vanghan's Seed Store The Henry Phillips Seed and Implement Co G. W. Oliver Vanderbilt's Express Co P. Mann & Co	Transportation, beans	
	P. Mann & Co	Plant bed cloth	
	The Hammond Typewriter Oo	Stands	28
	P. H. Heiskell, Jr., & Co	Pease Transportation, seeds	28 17
	Western Union Telegraph Co	Convige	1
	P. Mann & Co The Hammond Typewriter Oo P. H. Heiskell, jr., & Co The Geo. W. Knox Express Co Western Union Telegraph Co Fredk. W. Kelsey Littlefield, Alvord & Co do Northern Pacific Rwy. Co Union Pacific R. R. Co Burlington and Missouri River R. R. Co Pennsylvania R. R. Co	Service	4
18	Littlefield Alvord & Co	Transportation	4
19	do	do	1
	Northern Pacific Rwy Co	Passenger transportation	6
	Union Pacific B. R. Co	do	9
	Burlington and Missouri River R R Co	do	3

Date.	Name.	Nature of payment.	Total
1903.			
	Pennsylvania R. R. Co	Passenger transportation	814
	do	do	16 30
	The Missouri Pacific Rwy Co	do	90 5
	Chicago, Rock Island and Pacific Rwy, Co.	do	5 22
	The Pennsylvania R. R. Co	Transportation	-4
21	California Nursery Co	Vines	125
	J. M. Thorburn & Co	Beans	14
	T V Muncon & Son	Grana vinas	182 22
	Yawman & Erbe Manufacturing Co	Case	22
	The Dayton Paper Novelty Co	Paper, etc	31
	T. V. Munson & Son Yawman & Erbe Manufacturing Co The Dayton Paper Novelty Co W. Atlee Burpee & Co	Climbers. Grape vines Case Paper. etc Seeds	ē
	W. Attee Burpee & Co. Peter Henderson & Co. August Rolker & Sons Bush & Sons. The Utah Sugar Co. W. W. Long. C. C. Morse & Co. F. W. Bolgiano & Co.	do	10
	Rush & Sons	Grape vines	20
	The Utah Sugar Co	Beet seeds Traveling expenses Seeds -do	ĩã
22 23	W. W. Long	Traveling expenses	162 102
23	C. C. Morse & Co.	Seeds	102
	F. W. Bolgiano & Co.	do	107
24	Capital Tuestion Co	Contializate	28 10
24	C. C. Morse & Co.  C. W. Bolgiano & Co.  do  Capital Traction Co.  The Brown Bag Filling Machine Co.  Henry A. Dreer (Incorporated).  Robt, Gair Co.  J. P. Nawvath.  W. M. Hays  J. M. Thorburn & Co.  The Henry Phillips Seed and Implement Co.  T. W. Wood & Sons  Will W. Tracy.  C. P. Hartley.  Edw. S. Schmid.  A. J. Pieters et al.  W. W. Tracy.  J. N. Meyer.  Western Seed and Irrigation Co.  Whitney-Eckstein Seed Co.  A. N. Jones  Leonard Tufts  H. C. & J. B. Agnew.  L. W. Thorburn & Co.	Putting up seeds	5, 960
25	Henry A. Dreer (Incorporated)	Seeds	3.00
	Robt. Gair Co	Bags	
99	J. P. Nawrath	Twine	30
28	W. M. Hays	Sands	22 18
	The Henry Phillips Seed and Implement Co	do	32
	T. W. Wood & Sons	do	341
	Will W. Tracy	Traveling expenses	59
	C.P. Hartley	Expenses	61
30	Edw. S. Schmid	Labels	3 ~s(
y 1	W. W. Tracy, sr	Salary	3, 786 247
3 -	J. N. Meyer	do	5(
	Western Seed and Irrigation Co	Sweet corn	1,377 236
	Whitney-Eckstein Seed Co	Seeds	236
	A. N. Jones	do	136
	Leonard Turts H. C. & J. B. Agnew J. M. Thorburn & Co Z. D. Gilman M. G. Copeland Co Brentanos Edw. S. Schmid do E. Brown J. F. W. Tracy	do	25
	J. M. Thorburn & Co	do	10
2	Z. D. Gilman	Filters	14
	M. G. Copeland Co	Awnings	45
	Edw S Schmid	Labale Tabale	38
	do	do	38
	E. Brown	Traveling expenses	9
7	J. E. W. Tracy Barber & Ross Chas. Becker	do	27
8	Barber & Ross	Wire nails	2
	Edw S Schmid	I abale	1
	Z. D. Gilman The G. W. Knox Express Co E. J. Pullman	Labels do Traveling expenses do Wire nails White lead Labels Scales, etc. Transportation Slide cases	
	The G. W. Knox Express Co	Transportation	-
	E. J. Pullman	Slide cases	
	Wm. Ballantyne Adams Express Co do do Washington Gaslight Co	Tags	43
	do	Transportation	47
	do	do	
	Washington Gaslight Co	Gas	
	American Cycle Manufacturing Co	Bicycle Stool Burlap	40
	W. B. Moses & Sons	Stool	3
	Yawman & Erbe Manufacturing Co	(+mides	
	Yawman & Erbe Manufacturing Co Chesapeake and Potomac Telegraph Co	Service	-
	do	Service do Transportation	
	United States Express Co	Transportation	
	Potomac Electric Power Co	Current	1]
	Chesapeage and Potomac Telegraph Co do United States Express Co do Potomac Electric Power Co F. W. Bolgiano & Co Postal Telegraph Cable Co A. J. Pieters do The Brown Rea Filling Machine Co	do	462
	Postal Telegraph Cable Co	Service	+02
	A. J. Pieters	Traveling expenses	14
12	do	do	5(
11 13	P. W. Bolgrand & Co. Postal Telegraph Cable Co. A. J. Pieters.  do. The Brown Bag Filling Machine Co. W. W. Tracy.;ir Brown Bag Filling Machine Co. N. B. Keeney & Son. Crumbaugh & Kuehn.	Putting up seeds	3,710
	iv. iv. Iracy. Jr	Expenses	67 2,44
15	Brown Bag Filling Machine Co		

Date.	Name.	Nature of payment.	Total
1903.	•		
May 15	The Livingston Seed Co The Albert Dickinson Co	Seed peas	\$253.
	The Albert Dickinson Co	Seeds Superintending work	283. 31.
	C. H. Billingsley The Fyricide Manufacturing Co.	Superintending work Fyricide extinguishers	31. 40.
	Kellogg Switchboard and Supply Co	Wall set, No. 28	9.
	Kellogg Switchboard and Supply Co Thos, Meehan & Sons (Incorporated) Henry A. Dreer	Seeds	18.
	Henry A. Dreer	Pot labels	30.
	do J.P. Nawrath do A. Lanson-Scribner Edur S. Salvarid	Pot labels	26.
	J. P. Nawrath	Twine	31.
20	A Lamson-Scribner	Traveling expenses	177. 8.
22	Edw. S. Schmid	Wire netting	18
	do	Paper	17
	do Wyckoff, Seamans & Benedict	Labels, etc	162
	Wyckoff, Seamans & Benedict	Typewriter, etc.	90
	The Acetylene Co Brentanos	Carbide	3
	do	Carbide Fountain pen Memorandum books Seeds	15 3
	do J. M <sub>.</sub> Thorburn & Co	Seeds	1
	do	do	5
	T. W. Wood & Sons	do	70
	Henry A. Dreer	do	50
	do T. W. Wood & Sons Henry A. Dreer Franklin Davis Nursery Co	do	30
	H. Weber & Son J. H. Lane & Co Euclid Avenue Nursery Co-	Tenting cloth	40
	Fuelid Avenue Nursery Co	Troos (fruit)	29 20
	Peter Remberg	Trees (fruit) Rooted cuttings	32
26	T amia Dasasla		31
	Henry Fish The Okonite Co. (Limited) Edw. S. Schmid. W. W. Tracy, sr F. P. May & Co Yawman & Erbe Manufacturing Co	Beans Electric supplies	3
	The Okonite Co. (Limited)	Electric supplies	34
92	Edw. S. Schmid	Peat	12
27 29	W. W. Tracy, Sr	Traveling expenses	17
29	Voyamen & Fubo Menufacturing Co	Catalogue wards	30
	do	Bristle sweeps Catalogue cards Sections	17
	D Fronk Porker	Pener	8
	R.P. Andrews & Co. (Incorporated)	do	42
	R. P. Andrews & Co. (Incorporated) Daniel Hiser American Writing Machine Co	do Flower pots Paper Desk fan	30
	American Writing Machine Co	Paper	43
	M. Du Perów	Desk ran	12
	The Powell Botanic Co	Plants	12 47 3, 763
31	A.J. Pieters et al	Salaries	3, 763
me 1	Edw I Knight	Salary	60
	W. W. Tracy, sr The Michigan Central R. R. Co	do	255
3	The Michigan Central R. R. Co	Passenger transportation	21 14
5	R. W. Thatcher	do Testing beets	11
9	J. R. Collins	Bags	42
	J. Ross Collins	do	296
	J. Ross Collins Hensien Manufacturing Co	Seed planters, etc	7.
	The E. G. Hill Co	Seeds	32
	The Powell Retenia Co	Dlants	44 47
6	C F Wheeler	Plants Traveling expenses	10
9	The Powell Botanic Co C. F. Wheeler American Writing Machine Co	Paper	18
,	Honghton & Delano	Photo supplies	4
	F. W. Bolgiano & Co Potomac Electric Power Co Washington Gaslight Co	Plaster	7
	Potomac Electric Power Co	Current	6
	Washington Gaslight Co	Gas	1
	W. S. Clark Edw. S. Schmid	Fertilizer Plants	42 45
10	Edw. S. Schmid	Manure	25
	do	Manure Bellows, etc	144
	Geo. F. Muth & Co.	Brushes, etc Desk fans	9 25
	M. Du Perow	Desk fans	25
12	do Geo. F. Muth & Co. M. Du Perow W. Silas Sheetz. W. B. Moses & Sons.	Slides, etc Looking glass	6
1,2	do	Water cooler	5
	do	Chair	5 5
	do	Water cooler	6
	do	Tables	12
	do	do	12 17 23
	do	Doelz	23 23
	Thos Somerville & Sons	Galvanized ells	20 2
	Thos. Somerville & Sons Jno. C. Parker Woodward & Lothrop Rudolph, West & Co	Machine, etc	18
	Woodward & Lothrop	Machine, etc Stands	20
		Mowers	41

Date.	Name.	Nature of payment.	To
1903.			
ne 12	B. T. Galloway	Traveling expenses.	
7.0	do Washington Gaslight Co Potomac Electric Power Co	do Gas Current	
13	Potomac Electric Power Co	Current	
	Jno. R. Galloway	Fans Cloths, etc Corn	
17	Jno. R. Galloway The Hoggson & Pettis Manufacturing Co. J. M. Thorburn	Cloths, etc	
	J. M. Thorburn	Corn	
	Peter Henderson & Co Vaughan's Seed Store	Lawn sprinklers	
19	C.P. Goerz	Repairs	
20	C.P. Goerz The Hoggson & Pettis Manufacturing Co Napa Valley Nursery Co Armour & Co	Repairs Copying cloths	
	Napa Valley Nursery Co	Grapevines Fertilizers	
	Armour & Co.	Twine	
	J. P. Nawrath The E. Howard Clock Co		
	Geo. W. Miller & Co	Wrapping paper	
	The Burnet Co.	Clock Wrapping paper Electric supplies Seeds	
	Henry A. Dreer	Seeds	
	W. Attee Burpee & Co	Meize etc	
22	Houghton & Delano	Films	
	Littlefield, Alvord & Co.	Shoreing floor	
00	Will W. Tracy.sr	do Maize, etc Films Shoreing floor Traveling expenses Paper	
23	The E. Howard Clock Co. Geo. W. Miller & Co. The Burnet Co. Henry A. Dreer W. Atlee Burpee & Co. Iowa Seed Co. Houghton & Delano. Littlefield, Alvord & Co. Will W. Tracy sr Edw. S. Schmiddodo	Paper Paste, etc	
	->do	Wire	
	do	Labels	
	dodo	Screws	
	do	Wheelbarrows	
	Chas. Becker W. Silas Sheetz Geo. Meiers & Co The Armour Fertilizer Works Rudolph, West & Co Thos. W. Smith F. W. Bolgiano & Co Woodward & Lothrop W. B. Moses & Sons E. Morrison Paper Co Northrup, King & Co E. G. Schafer & Co Francis Miller	Paint, etc Photo supplies Gum arabic Fertilizer	
	Geo Meiers & Co	Gum arabic	
	The Armour Fertilizer Works	Fertilizer	
	Rudolph, West & Co	Rope, etc.	
	Thos. W. Smith	Rope, etc Window screens Chemicals Chairs, etc	
	Woodward & Lothron	Chaire etc	
	W. B Moses & Sons	do	
	E. Morrison Paper Co	Paper, etc Watermelon seeds Galvanized pipes, etc	
	Northrup, King & Co	Watermelon seeds	
	E. G. Schafer & Co	Oil	
	Francis Miller Wyckoff, Seamans & Benedict J. Baumgarten & Sons	Adjusting tynewriter	
	J. Baumgarten & Sons	Stamp rack	
	J. T. Walker's Sons.	Supplies	
24	J. E. W. Tracy	Traveling expenses	
25	J. T. Waker's Sons J. E. W. Tracy D. W. Galehouse Washington Southern Rwy. Co	On Adjusting typewriter Stamp rack Supplies Traveling expenses do Transportation	
40	do	do	
	do	āo	
	Pennsylvania R. R. Co.	Faccinails sismature	
26	do do Pennsylvania R. R. Co The Maurice Joyce Engraving Co Boston and Maine R. R. Co Michigan Central R. R. Co Maine Central R. R. Co Pennsylvania R. R. Co	Passenger transportation	
20	Michigan Central R. R. Co	do	
	Maine Central R. R. Co	do	
	Pennsylvania R. R. Co.	do	
	Reltimore and Ohio P. P. Co	do	
	Lehigh Valley B. R. Co	do	
	Chicago and Northwestern Rwy. Co	do	
	The Pullman Co	do	
	The G. W. Knox Expres Co	do	
	Pennsylvania R. R. CododoBaltimore and Ohio R. R. CoLehigh Valley R. R. CoChicago and Northwestern Rwy. CoThe Pullman CoThe G. W. Knox Expres CoMorgan's Louisiana and Texas Railroad and Steamship Co.	do	
	Southern Rwy. Co The Dayton Paper Novelty Co	Boxes	
	Church & Stephenson	Lumber	
			;
	Mosessan and Bull - Manager to the color of	Card case	
	Jas B Lambie Eberhard Faber Mackall Bros F R Pierson Co	Letter file	
	Jas. b. Lample Eberhard Fabor	Zinc and wire nails	
	Mackall Bros	Chloride of lime	
	F. R. Pierson Co	Nephrolepis	
	Hugh Reilly E. G. Schafer & Co Edw. Hurdle	do Card case Letter file Zinc and wire nails Bands Chloride of lime Nephrolepis Turpentine Black pipe Tin roof	
	L' ( Sahafan & Ca	Black nine	1

## $Expenditures of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30.1903-Cont`d.$

Date.	Name.	Nature of payment.	Total.
1903.	,		
une 26	Edw. Hurdle	Iron gutter Traveling expenses	\$2.8
27	W. J. Spillman A. J. Pieters et al	Traveling expenses	\$2.8 21.
30	A. J. Pieters et al	Salaries	3,629.5
	Total fourth quarter		56, 278.
	-		99,210.
	Supplemental.		
uly 1	W. W. Tracy, sr	Expenses	36. 247.
	do E. G. Knight	Salarydo	60.
	The Brown Bag-filling Machine Co. H. A. Dreer A. J. Pieters	Extra labor Seeds Traveling expenses	117.
	H. A. Dreer	Seeds	306.
2	A.J. Pieters	Traveling expenses	239.
3 8	E. L. Coy. W. W. Tracy, sr.	Ernongog	12. 29.
	do	Expenses Traveling expenses Expenses Flower pots	8.
	do	Expenses	121.
11	Daniel Hiser	Flower pots	138.
13	Vredenburg & Co.	Plates	3.
	Church & Stophonson	Corn Lumber	4. 14.
	E Morrison Paner Co	Envelopes	40.
15	The M. Lindsay Rubber Co	Envelopes Paraffin apron, etc Envelopes Seeds	7.
	United States Envelope Co	Envelopes	13.
	Henry A. Dreer	Seeds	250.
	do Daniel Hiser Vredenburg & Co. Ford Seed Co. Church & Stephenson E. Morrison Paper Co. The M. Lindsay Rubber Co United States Envelope Co Henry A. Dreer Edw. Palmer Houghton & Delano. The G. W. Knox Express Co. Woodward & Lothrop Church & Stephenson do do do C. G. Schafer & Co. do B. P. Andrews & Co. (Incorporated)	Beans Films eta	20. 46.
18	The G. W. Knox Express Co	Films, etc Transportation Clocks, etc	3.
20	Woodward & Lothrop	Clocks, etc	38.
21	Church & Stephenson	Lumber Door, etc Lumber Window stool	45.
	do	Door, etc	11.
	do	Window stool	25. 7.
	E. G. Schafer & Co	Tees.	8.
	do	Paper	39.
	R. P. Andrews & Co. (Incorporated)	Paper	275.
- 00	Rudolph, West & Co	Locks, etc	14.
22	I E W Tracy	Transportation Traveling expenses	52. 24.
23	E. G. Schafer & Co do R. P. Andrews & Co. (Incorporated) Rudolph, West & Co. Great Northern Rwy. Co J. E. W. Tracy The Rudolph Paper Bag Co J. T. Thornson The International Postal Supply Co do J. R. Collins E. S. Schmid T. W. Smith Church & Stephenson	Paper Locks, etc Transportation Traveling expenses Cases Stamping paper Rent of machinedo Cotton bags Galvanized wire Door frames, etc Lumber	12.
24 25	J. T. Thornson	Stamping paper	45.
25	The International Postal Supply Co	Rent of machine	66.
	I P Collins	Cotton have	100.
	E S Schmid	Galvanized wire	590. 7.
	T. W. Smith	Door frames, etc.	86.
29	Church & Stephenson The Chesapeake and Potomac Telephone	Lumber Service	70
			6.
	Co. Washington Gaslight Co Potomac Electric Power Co J. C. Parker D. F. Parker Barber & Ross Louis Hartig do The Washington Post Co A. J. Pieters do	Gas Current Carbon paper, etc	1.
	Potomac Electric Power Co	Current	10. 27.
	J. C. Parker	Carbon paper, etc	21.
ug. 4	Barber & Ross	Paper Nails	7.
	Louis Hartig	Scale Iron Advertisement Expenses	37. 7. 27.
	do	Iron	6.
	The Washington Post Co	Advertisement	6. 12.
	A.J. Pieters	Expenses	12.
6	do J. C. Parker C.F. Wheeler W. H. Dyer W. B. Moses & Sons	Boxes, etc. Traveling expenses Lumber Water cooler	75.
12	C.F. Wheeler	Traveling expenses	46.
15	W.H.Dyer	Lumber	2. 5.
15	W. B. Moses & Sons	Indexes	3. 1.
	The Geo. W. Knox Express Co.	Indexes Transportation	3. 2.
	The Geo. W. Knox Express Co- The Chesapeake and Potomac Telephone	Calls	2.
	Co. Z. D. Gilman The Geo. W. Knox Express Co. Yawman & Erbe Manufacturing Co. E. J. Spangler & Co. Yawman & Erbe Manufacturing Co. Church & Stephensen `	Paraffin, etc	2.
	The Geo. W. Knox Express Co	Paraffin, etc Transportation	39. 53.
17	Yawman & Erbe Manufacturing Co	Cupboard, etc	39.
	E.J. Spangler & Co	Cupboard, etc Paper bags Cabinet	53. 47.
18	Church & Stephensen	Lamber	60.
19	Church & Stephensen 'Andrew M. Soule	Lumber Oats, etc Traveling expenses	200.
ept. 8	A. J. Pieters Yawman & Erbe Manufacturing Co	Traveling expenses	16.
9	Vawman & Erbe Manufacturing Co	File case, etc	40.
10	Barber & Ross Western Union Telegraph Co		

#### PURCHASE AND DISTRIBUTION OF VALUABLE SEEDS—Continued.

Date.	Name.	Nature of payment.	Total.
	Supplemental—Continued.		
1903.	**		
Sept.18	Postal Telegraph Cable Co Morgan's Louisiana and Texas Railroad	Telegraph service	\$4.0
	Morgan's Louisiana and Texas Railroad	Passenger transportation	1.5
	and Steamship Co. Missouri, Kansas and Texas Rwy. Co	a.	21, 9
	St. Louis and San Francisco R. R. Co	do	8. 1
	Galveston. Harrisburg and San Antonio	do	16. 8
	Rwy. Co.		10.6
	Pennsylvania R. R. Co	do	16, 5
19	Baltimore and Ohio R. R. Co.	do	25. 3
	Illinois Central R. R. Co.	do	18.0
	The Yazoo and Mississippi Valley R. R. Co.	do	6.2
	The Wabash R. R. Co	do	4.8
	The Long Island R. R. Co	do	4. 2
	Seaboard Air Line Rwy Southern Rwy. Co	do	23. 5 20. 9
	Chicago and Alten Pwy Co	do	13. 9
	Cantral of Georgia Rwy Co	do	8.1
	Chicago and Alton Rwy.Co Central of Georgia Rwy.Co Pittsburg, Cincinnati, Chicago and St.	do	7.0
	Louis Rwy. Co.		
21	Geo. F. Muth & Co.	Oil	1.8
22	Geo. F. Muth & Co. Baltimore and Ohio R. R. Co.	Transportation	69.1
	do		4.8
	do		11.9
	do	do	45. 9
	Pennsylvania R. R. Co	QO	10.8
	do	do	93. 1
	Checanonka and Ohio Pwy Co	do	544.5
	do	do	8.1
	Chesapeake and Ohio Rwy. Codo New_York Central and Hudson River	-do	1.9
	R. R. Co.		
oct. 10	Postal Telegraph Cable Co Adams Express Co	Telegraph service	1.6
	Adams Express Co	Transportation	2.2
	Geo. F. Muth & Co	Oil, etc	23. 2
	United States Express Co	Transportation	179.8
10	Yawman & Erbe Manufacturing Co	Canda ata	214.1
12	do		51. 0 48. 0
22	P. A. Nebeker		12.6
27	W W Tracy SP	Expenses	9.1
31	W. W. Tracy, sr The Missouri Pacific Rwy, Co	Transportation	27.7
	Missouri, Kansas and Texas Rwy, Co	do	18.6
	International and Great Northern R. R. Co.	do	6.3
ov. 13	The Brown Bag-filling Machine Co	Bags	1,531.8
	Total		7,186.9
	A O COVI		1, 100.

#### RECAPITULATION.

First quarter		\$22,808,42
Second quarter		48, 321, 65
Third quarter		105, 863.57
Fourth quarter		56, 278. 91
Supplemental		7, 186, 96
	-	

#### PURCHASE AND DISTRIBUTION OF VALUABLE SEEDS-SETTLED BY TREASURY.

Date.	Name.	Nature of payment.	Total.
1903. Jan. 24 Mar. 4 June 23 29 Sept. 21	Southern Pacific CododoPennsylvania R. R. Co.	do	\$32.40 16.75 64.85 77.00 23.70
1902. July 1	Total		214.70

 $Expenditures of \ Department \ of \ Agriculture for year \ ending \ June \ 30, 1903-\text{Cont'd.}$ 

### FOREIGN SEED AND PLANT INTRODUCTION.

Da	te.	Name.	Nature of payment.	Total.
190	02.			
July	25	Z. D. Gilman	Chloride of lime	\$0.60
	28	The Smith Premier Typewriter Co	Card platin	4.50
A su co	31	G. W. Oliver et al Peter H. Rolfs	Salaries Expenses Salary	333.50
Aug.	$\frac{18}{25}$	H B Phillips	Expenses	33.65 20.00
	26	H. B. Phillips.	Tree labels	12.50
	20	R. Carter Ballantyne	Letter books	3.70
	30	Edw. S. Schmid R. Carter Ballantyne G. W. Oliver et al H. B. Phillips L. A. Baroner	Tree labels	3, 70 333, 50
Sept	. 8	H. B. Phillips	Salary	20.00
		E. A. Bessey	Salary, July	126.40
	00	E. A. Bessey do Geo. W. Oliver et al	Salary Salary, July Salary, August Salaries	126.40
	30		-	323.00
		Total first quarter		1,337.75
Oct.	3	P. H. Rolfs. C. R. Callander H. B. Phillips	Expenses	138.00
	6	C. R. Callander	Plants	41.90
	10	H. B. Phillips	Salarydo	20.00
	13 16	P H Polfe	Evnançae	122, 20 82, 70
	27	Wyckoff, Seamans & Benedict.	Typewriter	17.00
	31	G. W. Oliver et al	Salaries	333.50
Nov.		J. W. Kerr	Expenses Typewriter Salaries Almond trees	10.00
		J. M. Thorburn & Co	Seeds	96.00
	4	The Geo. W. Knox Express Co	Fruits	9.67
	-	C. R. Callander H. B. Phillips E. A. Bessey P. H. Rolfs Wyckoff, Seamans & Benedict G. W. Oliver et al J. W. Kerr J. M. Thorburn & Co The Geo. W. Knox Express Co H. B. Phillips Jennie H. Ericson G. Onderdonk do	Fruits Salary Fruits Salary, September Salary, July Salary, August Tubes Salary Transportation	20.00
	5 6	G Onderdenk	Salary Santambar	. 47 13. 33
	0	do	Salary July	87.10
		do	Salary, August	100.00
		do . J. A. Pierpoint E. A. Bessey	Tubes	6.00
	8	E. A. Bessey	Salary	126.40
	10	Norfolk and Washington Steamboat Co	Transportation Plates Passenger transportation	48.00
	13	Houghton & Delano International and Great Northern R. R. Co-	Plates	6. 42 36. 15
	18 19	F A Tschiffely iv	Carbon	6.50
	29	A. L. Scribner et al	Salaries	225.20
Dec.	2	International and Great Northern R. R. Co-F. A.Tschiffely, jr. A. L. Scribner et al. Jos. C. Cres. G. Onderdonk H. B. Phillips. Vilmorin, Andrieux & Co Seaman A. Knapp.  do G. Onderdonk	Papers, etc.	7.43 74.40
		G. Onderdonk	Papers, etc. Peach seeds.	74.40
	4	H. B. Phillips	Colony	20.00
		Vilmorin, Andrieux & Co	Seeds	1.06 $143.20$
		Seaman A. Knapp	Seeds Seeds Express Expenses Traveling expenses	366.73
		G. Onderdonk	Traveling expenses	138, 85
	12	G. Onderdonk H. B. Phillips Seaman A. Knapp Jno. S. Cole Dr. Henry N. Ridley Geo. Bunyard & Co Thos. Rivers & Son Great Northern Rwy. Co A. L. Segibbor et al.	Expenses	27.85 222.55
		Seaman A. Knapp	Expenses	222.55
	16	Jno. S. Cole	Traveling expenses Seeds	10.70
	10	Dr. Henry N. Ridley	Seeds	5, 00 39, 54
	18	The Piyou & Co	de de	126.85
		Great Northern Rwy Co	Transportation	103.30
	31	A. L. Scribner et al	Fruit treesdo	232.40
		Total second quarter	,	3,086.40
100	2			
1909 Jan.	5. 5	H. B. Phillips	Salary	20.00
oan.	10	M. A. Carleton	Traveling expenses	46.50
	10		Expenses	15.75
	15	Yawman & Erbe Manufacturing Co	Case	48.00
		I. P. Roosa Newton B. Pierce	Expenses	3.09
	20	Newton B. Pierce	Traveling expenses	41.40
		Seaman A. Knapp H. B. Phillips Edw. S. Schmid. The Geo. W. Knox Express Co.	Expensesdo	$159.50 \\ 57.72$
	21	Edw S Schmid	Moss	4.20
	~1	The Geo. W. Knox Express Co	Transportation	95.53
	22		Seed Expenses	2.05
	26	H. B. Phillips	Expenses	8.85
	27 31	H. B. Phillips Southern Rwy. Co A. L. Scribner et al	Passenger transportation	33.30
		A. L. Scribner et al	Salaries	237.70 45.75 20.00
171 - 1	4	S A Knapp	Solory	20.00
Feb.	~	II. D. I IIIIIps	Wash stand	7.00
Feb.	5	Woodward & Lothron		
Feb.	7	Woodward & Lothrop United States Express Co	Transportation	1.94
Feb.	5 7 9	H. B. Phillips Woodward & Lothrop United States Express Co Dan Hiser	Transportation Flower pots	33.00
Feb.	7 9 11		Transportation Flower pots Labels	33.00 45.50
Feb.	7 9	Woodward & Lothrop United States Express Co Dan Hiser Edw. S. Schmid Seaman A. Knapp Fred Stockwell	Expenses Passenger transportation Salaries Traveling expenses Salary Wash stand Transportation Flower pots Labels Salary do Flax seed	33.00

#### FOREIGN SEED AND PLANT INTRODUCTION—Continued.

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Date.	Name.	Nature of payment.	Total.
1903.			
Feb. 16	Robert Gair	Bags	\$14.10
19	Robert Gair Chicago and Northwestern Rwy.Co Terre Haute and Indianapolis R. R. Co	Passenger transportation	33.40
96	Terre Haute and Indianapolis R. R. Co E. Mathy	do	19, 25 25, 20
26 28	E. Mathy	Salaries	214.60
Mar. 3	The Chesapeake and Potomac Telephone	Service	6, 25
	Co.		
	do	Transportation	6.25
5 9	The Geo. W. Knox Express Co	Transportation	1.60 50.00
J	Fred Stockwell H. B. Phillips	Acoms	20.00
16	D. S. Bliss Vilmorin, Andrieux & Co	Traveling expenses	22. 20 7. 93 32. 51
18	Vilmorin, Andrieux & Co	Almond trees	7.93
21	Goomen A Vronn	Salary	52.51
25	Seaman A. Knapp Cooper, Taber & Co. (Limited) A. Sellmer W. W. Johnson & Son (Limited)	Seeds	77.80 12.83
	A. Sellmer	Seedsdo	40, 66
	W. W. Johnson & Son (Limited)	do	7.41
31	Peter H. Rolls	Traveling expenses Salaries	283.32 173.70
- 51	A. L. Scribner et al	Salaries	175.70
	Total third quarter		2,132.03
	_		
Apr. 2	B. J. Agadjanian	Pistachio scions	27.50
6	Hurst & Son. Jno. C. Cole Seaman A. Knapp	Seeds Traveling expenses	35.75 8.80
0	Seaman A Knapp	Salary	86.10
	H. B. Phillips	Salarydo	20.00
	H. B. Phillips Fred Stockwell	do	50.00
13	Edw. Hurdle	Iron tanks Transportation	42.50
14	Great Northern Rwy, Co	Seeds	5.25 10.41
	Tokyo Plant, Seed and Implement Co	Chrysanthemum plants Plants Transportation	25.90
16	J. B. Cognet	Plants	5.93
17	The Geo, W. Knox Express Co	Transportation	3.71
21	Western Union Telegraph Co	Services Labels	3. 45
41	Great Northern Rwy, Co-Sluis & Groot Tokyo Plant, Seed and Implement Co. J. B. Cognet The Geo, W. Knox Express Co. Western Union Telegraph Co. Edw. S. Schmid F. C. Heinemann	Radish seed	10.00 8.50
22	F. C. Heinemann Frank Jolly Seaman A. Knapp F. W. Bolgiano & Co. Grace Bell et al. Thos. H. Kearney H. B. Phillips Seaman A. Knapp Thos. H. Kearney Fred. Stockwell Latham & Co. Edw. S. Schmid The J. C. Ergood Co. United States Express Co. Postal Telegraph Cable Co Frank Harrison	Seeds Expenses Putting up alfalfa seed	15, 49
23 27	Seaman A. Knapp	Expenses	41.75 28.50
	F. W. Bolgiano & Co	Putting up alfalfa seed	28.50
May 1	Thos H Vostmor	Salaries Traveling expenses	108, 80 316, 95
nay 1	H. B. Phillips	Salary	20, 00
	Seaman A. Knapp	Salarydo	82.40
4	Thos. H. Kearney	Expenses Salary Mango plants	6.15
5	Lether & Co	Managa plants	50.00 52.75
8	Edw S Schmid	Knives, etc.	30.90
	The J. C. Ergood Co	Brooms	2,65
	United States Express Co.	Transportation Service Engraving cards Expenses	53. 33
13	Postal Telegraph Cable Co	Service	. 74
15	Frank Harrison	Engraving cards	14.50 226.58
16	Frank Harrison	Fountain pen	3.50
18	Seaman A. Knapp Frank Harrison Seaman A. Knapp	Fountain pen Expenses	35.00
19			44.00
20	The Geo. W. Knox Express Co. Vilmorin, Andrieux & Co. Peter H. Rolfs Seaman A. Knapp Daniel Hiser Houghton & Delano.	Transportation	15.51 27.28
	Peter H. Rolfs	Expenses Traveling expenses Flower pots Photo supplies	45. 15
22	Seaman A. Knapp	Traveling expenses	93.26
	Daniel Hiser	Flower pots	90.75
	Houghton & Delano	Photo supplies	30. 40
	Poht Thom	Plents	75.50 523.28
	Champagne Freres (Limited)	Dried dates	12.52
31	Grace Bell et al	Dried dates Salaries	112.40
June 3	Champagne Freres (Limited) Grace Bell et al. Pennsylvania R. R. Co Fred. Stockwell G. Onderdonk	Passenger transportation	25. 85
+	G Onderdonk	Salary	50.00 100.00
	Edgar Metcalfe	Passenger transportation Labor Salarydo	41.94
	Seaman A. Knapp	do	85, 20
	H. B. Phillips Washington Gaslight Co	do Gas Seeds	20.00
9	Washington Gaslight Co	Gas	. 50 7. 69
12	Haage & Schmidt	Seeds	7.69
	Rudolph, West & Co W. B. Moses & Sons	Hose Book case Desk	47.50 8.00 47.50
	J.	Dools	0, 00 t~ 50
13	(10)	Plates, etc	±1.00

### FOREIGN SEED AND PLANT INTRODUCTION—Continued.

19 M. B. St. I. P. Roo Yawma Vilmor 22 M. A. C. 23 W. Sela Jas. B. J. The Yow Washin 26 M. B. St. Seaman I. P. Roo Grace J. T. July 3 E. A. M. S. A. Kr. G. Ond H. B. P. Fred S. W. T. S. G. Ond M. B. S. Seaman I. P. Roo Grace J. T. July 3 Fred S. G. Ond M. B. S. Seaman I. P. Roo G. Ond M. B. S. S. A. Kr. G. Ond M. B. S. Seaman I. P. Roo G. Ond M. B. S. G. Ond M. B. S. S. A. Kr. J. Church 25 G. Ond M. B. S. Seaman I. P. Roo G. Ond M. B. S. S. A. Kr. W. S. A. Kr. Washin The Ge Haage 25 S. A. Kr. Washin The G. J. P. W. S. A. Kr. Westen J. P. W. J. P. W. S. A. Kr. Westen J. P. W. J. P. W. J. R. W. J. P. W. J. P. W. J. R. W	an & Erbe Manufacturing Contevens Josa an & Erbe Manufacturing Contents arieton Jarleton Jarl	Traveling expenses Expenses File case Vegetable seeds Traveling expenses Night latches Photo supplies Zinc Hemp seed Gas Passenger transportation do do do Traveling expenses Expenses do Traveling expenses Salaries	\$966 35 21 28 5 116 34 47 2 2 10 7 366 42 42 27 26 31 108
June 17 19 M. B. Si I. P. Ro Yawma Yilmor 22 M. A. C Yawma Yilmor M. A. C Rudolp W. Sila Jas, B.J. The Yo Washin Chicag Pennsy Southe Washin 27 M. B. Si Seamai I. P. Rodo	ttevens  Josa  an & Erbe Manufacturing Co  rin, Audrieux & Co  Jarleton  ph, West & Co  s Sheetz  Lambie  Jokohama Nuusery Co  ngton Gaslight Co  so and Northwestern Rwy. Co  ylvania R. R. Co  rn Rwy. Co  ngton Southern Rwy. Co  tevens  A Knapp  Josa  Jorsett  Bell et al  Cotal fourth quarter  Supplemental.	Traveling expenses Expenses File case Vegetable seeds Traveling expenses Night latches Photo supplies Zinc Hemp seed Gas Passenger transportation do do do Traveling expenses Expenses do Traveling expenses Salaries	35 21 28 5 116 3 47 7 2 10 48 42 42 10 48 182 27 7 26 31
July 3 E. A. M. S. Seaman I. P. Ro Washin 27 M. A. C Washin 27 M. S. G. Ond H. B. P. Fred S W. Thos. S G. Ond M. B. S. Seaman I. P. Ro G. Ond M. B. S. Seaman I. P. Ro G. Ond M. B. P. Fred S W. T. S. G. Ond M. B. S. Seaman I. P. Ro G. Ond M. B. S. Seaman I. P. Ro G. Ond M. B. S. Seaman I. P. Ro G. Ond M. B. S. Seaman I. P. Ro G. Ond M. B. S. Seaman I. P. Ro G. Ond M. B. S. Seaman I. P. Ro G. Ond M. B. S. Seaman I. P. Ro G. Ond M. B. S. Seaman I. P. Ro G. Ond M. B. S. Seaman I. P. Ro G. Ond M. S. S. Seaman I. P. Ro G. Ond M. S. A. King M. S. Seaman I. P. Ro G. Ond M. S. Seaman I. P. Ro G. Ond M. S. Seaman I. P. Ro G. Ond M. S. A. King M. S. Seaman I. P. Ro G. Ond M. S. Seaman I. P. Ro G. Ond M. S. A. King M. S. Seaman I. P. Ro G. Ond M. S. Seaman I. P.	ttevens  Josa  an & Erbe Manufacturing Co  rin, Audrieux & Co  Jarleton  ph, West & Co  s Sheetz  Lambie  Jokohama Nuusery Co  ngton Gaslight Co  so and Northwestern Rwy. Co  ylvania R. R. Co  rn Rwy. Co  ngton Southern Rwy. Co  tevens  A Knapp  Josa  Jorsett  Bell et al  Cotal fourth quarter  Supplemental.	Traveling expenses Expenses File case Vegetable seeds Traveling expenses Night latches Photo supplies Zinc Hemp seed Gas Passenger transportation do do do Traveling expenses Expenses do Traveling expenses Salaries	35 21 28 5 116 3 47 7 2 10 48 42 42 10 48 182 27 7 26 31
1.P.Ro   Vilmor   V	oosa an & Erbe Manufacturing Co rin, Audrieux & Co Carleton ph, West & Co us Sheetz Lambie Okohama Nursery Co ngton Gaslight Co oy and Northwestern Rwy. Co rylvania R. R. Co ren Rwy. Co ngton Southern Rwy. Co tevens 1 A. Knapp oosa Oorsett Bell et al Cotal fourth quarter Supplemental.	Expenses File case Vegetable seeds Traveling expenses Night latches Photo supplies Zinc Hemp seed Gas Passenger transportation do do do Traveling expenses Expenses do Traveling expenses Salaries	21 28 5 116 3 47 7 36 42 10 48 182 27 27 26 31 108
20 Yawma Vilmor Vilmor Vilmor Vilmor Vilmor M. A. C Rudolp Jas. B. J. Sept. Southe Washin 27 M. B. Sept. Sep	an & Erbe Manufacturing Corin, Audrieux & Co- Carleton ph, West & Cossis Sheetz Lambie olkohama Nursery Congton Gaslight Cogo and Northwestern Rwy. Coglivania R. R. Compton Southern Rwy. Costevens A. Knapp Dosa  Porsett Bell et al Cotal fourth quarter Supplemental.	File case Vegetable seeds Traveling expenses Night latches Photo supplies Zinc Hemp seed Gas Passenger transportation do do do Traveling expenses Expenses do Traveling expenses Salaries	28 5 116 3 47 2 100 7 36 42 2 100 488 1827 26 31 108
Vilmor  22 M. A. C  23 Rudolp W. Sila Jas. B. J  25 The Yo Washir  26 Chicag Pennsy Southe Washir  M. B. Si  29 Seaman  T  10 P. H. D. Grace D  T  11 W. T. S  G. Ond M. B. Si Hough W. M. V. Alex. S  Bair & W. M. V. Alex. S  Go. L. T  Church  25 S. A. Ki G. Und  4. B. P  Fred S  G. Ond M. B. Si  Hough W. M. V. M. V  Alex. S  Bair &  The Te  Southe Morgal  and S  Sept. 18 S. A. Ki Wester  The Te Southe Morgal  and S  Baltim  Alex. S  Sept. 18 S. A. Ki  Sept. 18 S. A.	rin, Audrieux & Co Jarleton ph, West & Co Is Sheetz Lambie Okohama Nursery Co Ington Gaslight Co Ito and Northwestern Rwy. Co Ito and Northwestern Rwy. Co Ito and Northwestern Rwy. Co Ito and Southern Rwy. Co Ington Southern Rwy. Co Ington Southern Rwy. Co Ito and Knapp Ito and Knapp Ito and Knapp Ito and Knapp Ito and I	Vegetable seeds Traveling expenses Night latches Photo supplies Zinc Hemp seed Gas Passenger transportation do do do Traveling expenses Expenses do do Traveling expenses Salaries	5 116 3 477 2 10 7 36 42 10 48 182 27 26 31 108
22 M. A. C 23 Rudolp W. Sila Jas. B. J 25 The Yc Washin Chicag Pennsy Southe Washin 27 M. B. S! Seaman I. P. Ro Grace J 30 Grace J T  uly 3 E. A. M G. Ond H. B. P! Fred S G. Ond M. B. S! Barr & G. Ond M. B. S' Barr & G. Church Church Church Church Church Church J. P. Washin L. The Ge G. L. T. Washin L. The Ge G. L. T. Washin L. The Ge The Te Southe Morgan and S Baltim Morgan and S Baltim S Baltim Baltim S Baltim	Arleton ph, West & Co as Sheetz Lambie olkohama Nursery Co ngton Gaslight Co oz and Northwestern Rwy. Co ylvania R. R. Co ern Rwy. Co ngton Southern Rwy. Co tevens n A. Knapp cosa  corsett Bell et al Cotal fourth quarter Supplemental.	Traveling expenses Night latches Photo supplies Zinc Hemp seed Gas Passenger transportationdododododraveling expenses ExpensesdododoTraveling expenses ExpensesdodoTraveling expenses	116 3 477 100 7 366 422 100 488 1822 27 266 31 108
23	ph, West & Co s Sheetz Lambie olkohama Nuusery Co ngton Gaslight Co so and Northwestern Rwy. Co ylvania R. R. Co ern Rwy. Co ngton Southern Rwy. Co tevens n A. Knapp sosa  sorsett Bell et al Cotal fourth quarter Supplemental.	Night latches Photo supplies Zinc Hemp seed Gas Passenger transportation do do do Traveling expenses Expenses do Traveling expenses Salaries	3 47 2 10 7 36 42 10 48 182 27 26 31 108
Jas. B.J.  25 The Yo Washir  26 Chicago Pennsy Southe Washir  27 M. B. St Seamar I. P. Ro	Lambie olkohama Nursery Co ngton Gaslight Co to and Northwestern Rwy. Co yo and Northwestern Rwy. Co yorn Rwy. Co yorn Rwy. Co ngton Southern Rwy. Co tevens n A. Knapp yorsett Bell et al Cotal fourth quarter Supplemental.	Zinc Hemp seed Gas Passenger transportation do do do do Traveling expenses Expenses do Traveling expenses Salaries	47 2 10 7 36 42 10 48 182 27 26 31 108
Jas. B.J.  25 The Yo Washir  26 Chicago Pennsy Southe Washir  27 M. B. St Seamar I. P. Ro	Lambie olkohama Nursery Co ngton Gaslight Co to and Northwestern Rwy. Co yo and Northwestern Rwy. Co yorn Rwy. Co yorn Rwy. Co ngton Southern Rwy. Co tevens n A. Knapp yorsett Bell et al Cotal fourth quarter Supplemental.	Zinc Hemp seed Gas Passenger transportation do do do do Traveling expenses Expenses do Traveling expenses Salaries	2 10 7 36 42 10 48 182 27 26 31 108
I.P. Ro P. H. D. Grace 1  T  uly 3 E. A. M S. A. Ko G. Ond H. B. P! Fred S G. Ond M. B. S' Hough Fred S Barr & Churcl 25 G. L. T. 29 Washi uug. 15 The Ge Haage S. A. Ko Thos. S Thos. S  couthe Morgal and S Baltim Morgal and S Baltim Show	oorsettBell et al	do do Traveling expenses Salaries	7 36 42 10 48 182 27 26 31 108
I.P. Ro P. H. D. Grace 1  T  uly 3 E. A. M S. A. Ko G. Ond H. B. P! Fred S G. Ond M. B. S' Hough 15 Hough 16 G. L. T. 29 Washi ug. 15 The Ge P. Haage S. A. Ko Thos. S So Thos. S Thos. S Southe Morgal and S Baltim 19 Baltim	oorsettBell et al	do do Traveling expenses Salaries	7 36 42 10 48 182 27 26 31 108
I.P. Ro P. H. D. Grace 1  T  uly 3 E. A. M S. A. Ko G. Ond H. B. P! Fred S G. Ond M. B. S' Hough 15 Hough 16 G. L. T. 29 Washi ug. 15 The Ge P. Haage S. A. Ko Thos. S So Thos. S Thos. S Southe Morgal and S Baltim 19 Baltim	oorsettBell et al	do do Traveling expenses Salaries	36 42 10 48 182 27 26 31 108
I.P. Ro P. H. D. Grace 1  T  uly 3 E. A. M S. A. Ko G. Ond H. B. P! Fred S G. Ond M. B. S' Hough 15 Hough 16 G. L. T. 29 Washi ug. 15 The Ge P. Haage S. A. Ko Thos. S So Thos. S Thos. S Southe Morgal and S Baltim 19 Baltim	oorsettBell et al	do do Traveling expenses Salaries	36 42 10 48 182 27 26 31 108
1. P. Ro	oorsettBell et al	do do Traveling expenses Salaries	10 48 182 27 26 31 108
1. P. Ro	oorsettBell et al	do do Traveling expenses Salaries	10 48 182 27 26 31 108
I.P. Ro P. H. D. Grace 1  T  uly 3 E. A. M S. A. Ko G. Ond H. B. P! Fred S G. Ond M. B. S' Hough 15 Hough 16 G. L. T. 29 Washi ug. 15 The Ge P. Haage S. A. Ko Thos. S So Thos. S Thos. S Southe Morgal and S Baltim 19 Baltim	oorsettBell et al	do do Traveling expenses Salaries	48 182 27 26 31 108
I.P. Ro P. H. D. Grace 1  T  uly 3 E. A. M S. A. Ko G. Ond H. B. P! Fred S G. Ond M. B. S' Hough 15 Hough 16 G. L. T. 29 Washi ug. 15 The Ge P. Haage S. A. Ko Thos. S So Thos. S Thos. S Southe Morgal and S Baltim 19 Baltim	oorsettBell et al	do do Traveling expenses Salaries	182 27 26 31 108
I.P. Ro P. H. D. Grace 1  T  uly 3 E. A. M S. A. Ko G. Ond H. B. P! Fred S G. Ond M. B. S' Hough 15 Hough 16 G. L. T. 29 Washi ug. 15 The Ge P. Haage S. A. Ko Thos. S So Thos. S Thos. S Southe Morgal and S Baltim 19 Baltim	oorsettBell et al	do do Traveling expenses Salaries	27 26 31 108
do. P.H. D. P.H. D	oorsett Bell et al Ootal fourth quarter Supplemental.	do	26 31 108
P.H. D. Grace 1  T  uly 3 E. A. M S. A. Ko G. Ond H. B. P! Fred S W. T. S G. Ond M. B. S' Hough 15 Hough 17 Church 25 G. L. T. 29 Washi ug. 15 The Ge Haage S. A. Ko Thos. S Thos. S Thos. S Southe Morgal and S Baltim Morgal and S Baltim	oorsettBell et al	Salaries	31 108
uly 3 E. A. M. S. A. K. G. Ond H. B. P. Fred S W. T. S G. Ond M. B. S. Barr & Church G. L. T. 25 G. L. T. Washing 15 Haage 25 S. A. K. Thos. S J. P. W ept. 18 S. A. K. Wester do The Te Southe Morgal and S Baltim	otal fourth quarter Supplemental.	Salaries	108
uly 3 E. A. M. S. A. K. G. Ond H. B. P. Fred S W. T. S G. Ond M. B. S. Barr & Church G. L. T. 25 G. L. T. Washing 15 Haage 25 S. A. K. Thos. S J. P. W ept. 18 S. A. K. Wester do The Te Southe Morgal and S Baltim	otal fourth quarter Supplemental.	-	
uly 3 E. A. M S. A. Ko G. Ond H. B. P! Fred S G. Ond M. B. S Hough W. M. Y. Alex. S Barr & 17 Church 25 G. L. T 19 Haage 25 S. A. Ko Thos. S 26 Thos. S Couthe Morgal and S Baltim Morgal 19 Baltim Morgal 19 Baltim	Supplemental.	-	3,831
15 Hough W.M. V.M. Alex. S Bair & Bair & Churcl 25 G. L. Ti 29 Washin ug. 15 The Ge 19 Haage 25 S. A. Ki 26 Thos. S 26 Thos. S Wester do The Te Southe Morgal and S Baltim Baltim	± <b>*</b>		
15 Hough W.M. V.M. Alex. S Bair & Bair & Churcl 25 G. L. Ti 29 Washin ug. 15 The Ge 19 Haage 25 S. A. Ki 26 Thos. S 26 Thos. S Wester do The Te Southe Morgal and S Baltim Baltim	letcalfe		
15 Hough W.M. V.M. Alex. S Bair & Bair & Churcl 25 G. L. Ti 29 Washin ug. 15 The Ge 19 Haage 25 S. A. Ki 26 Thos. S 26 Thos. S Wester do The Te Southe Morgal and S Baltim Baltim		Salary	50
15 Hough W.M. V.M. Alex. S Bair & Bair & Churcl 25 G. L. Ti 29 Washir ug. 15 The Ge 25 S. A. Ki 26 Thos. S 26 Thos. S 27 The Te Southe Morgal and S Baltim Baltim	napp		82
15 Hough W.M. V.M. Alex. S Bair & Bair & Churcl 25 G. L. Ti 29 Washir ug. 15 The Ge 25 S. A. Ki 26 Thos. S 26 Thos. S 27 The Te Southe Morgal and S Baltim Baltim	lerdonk	do	100
15 Hough W.M. V.M. Alex. S Bair & Bair & Churcl 25 G. L. Ti 29 Washir ug. 15 The Ge 25 S. A. Ki 26 Thos. S 26 Thos. S 27 The Te Southe Morgal and S Baltim Baltim	milips.	do	20
15 Hough W.M. V.M. Alex. S Bair & Bair & Churcl 25 G. L. Ti 29 Washir ug. 15 The Ge 25 S. A. Ki 26 Thos. S 26 Thos. S 27 The Te Southe Morgal and S Baltim Baltim	stockwell		50
15 Hough W.M. V.M. Alex. S Bair & Bair & Churcl 25 G. L. Ti 29 Washin ug. 15 The Ge 19 Haage 25 S. A. Ki 26 Thos. S 26 Thos. S Wester do The Te Southe Morgal and S Baltim Baltim	swingle	Expenses	41
15 Hough W.M. V.M. Alex. S Bair & Bair & Churcl 25 G. L. Ti 29 Washin ug. 15 The Ge 19 Haage 25 S. A. Ki 26 Thos. S 26 Thos. S Wester do The Te Southe Morgal and S Baltim Baltim	erdonk	Traveling expenses	123
W. M. Alex. S Barr & Church 25 G. L. T. 29 Washin 19 Haage 25 S. A. Ko 26 J. P. W S. A. Ko Thos. S J. P. W S. A. Ko The Te Southe Morgan and S Baltim			16
Alex. S  Bairr &  Church  25 G. L. Tr  Washir  Washir  15 The Ge  19 Haage  25 S.A. K.  26 Thos. S.A. K.  27 S.A. K.  28 J. P. W  Wester  Church  Morgan  and S  Baltim  Baltim	ton & Delano	Camera, etc.	45
Bair & Church (25) G. L. T. (29) Washin the Ge L. T. (29) Washin The Ge L. T. (20) L.	Whyte	Copper floats	10
17 Church 25 G. L. T. 29 Washin 19 Haage 25 S.A. Kr 26 Thos. S. J. P. W ept. 18 S. A. Kr Charles S. C. Thos. S. J. P. W ester	Schmidt	Mailing boxes	23
25 G.L.T. 29 Washin ug. 15 The Ge 19 Haage 25 S.A.Kn 26 Thos. 8 Ept. 18 S.A.Kn Westerdo The Te Southe Morgan and 8 Baltim	Sons	Flowers	13
25 G.L.T. 29 Washin ug. 15 The Ge 19 Haage 25 S.A.Kn 26 Thos. 8 Ept. 18 S.A.Kn Westerdo The Te Southe Morgan and 8 Baltim	h & Stephenson	Lumber	40
25 S.A. Kl 26 Thos. S J.P. W ept. 18 S.A. Kl Wester do The Te Southe Morgal and S Baltim	'a hor	Pronagating orange trees	74
25 S.A. Kl 26 Thos. S J.P. W ept. 18 S.A. Kl Wester do The Te Southe Morgal and S Baltim	ngton Gaslight Co	Gas	41
26 S.A. Kl 26 Thos. S J.P. W ept. 18 S.A. Kl Wester do The Te Southe Morgal and S Baltim	ngton Gaslight Co eo. W. Knox Express Co & Schmitt	Transportation	41
25 S.A. Kl 26 Thos. S J.P. W ept. 18 S.A. Kl Wester do The Te Southe Morgal and S Baltim	& Schmitt	Seeds	2
gept. 18 S. A. Kr Wester do The Te Southe Morgan and S Baltim	napp S. Ware	Expenses	107
J.P. W S.A. Ki Wester do The Te Southe Morgai and S Baltim	5. Ware	Plants	20
The Te Southe Morgan and S Baltim	'illiam	Seeds	27
The Te Southe Morgan and S Baltim	napp	Traveling expenses	96
The Te Southe Morgan and S Baltim	Tilliam napp rn Union Telegraph Co	Telegraph service	6
19 Baltim		do	5
19 Baltim	exas and Pacific Rwy. Co	Passenger transportation	37
19 Baltim	exas and Pacific Rwy. Co ern Pacific Rwy. Co n's Louisiana and Texas Railroad	do	9
19 Baltim	n's Louisiana and Texas Railroad	do	26
19 Baltim The W	Steamship Co.		
The W	Steamship Co. nore and Ohio R. R. Co	do	18
Carlon	abash R. R. Co	do	7
Sea noa	ard Air Line Rwy	do	7 32
Michig	ran Central R. R. Co	do	14
22 Galves Rwy.	ran Air Line Rwy gan Central R. R. Co tton, Harrisburg and San Antonio	do	29
Chicag	ro and Northwestern Rwy Co	Freight	10
Chicag	,o and I of the obtoin it wy. Co	do	3
Greet		do	. 10
ct. 18 Seaman	Northern Rwy Co	Evnances	13
31 Atlanti	Northern Rwy. Co	Passenger transportation	9
	Northern Rwy. Con A. Knappic Coast Line R. R. Co		1,408
1	Northern Rwy. Co		1, 100

First quarter	\$1,337.75
Second quarter	3,066.40
Third quarter	2.132.03
Fourth quarter	3,831,63
Supplemental	1,408,29
Cuppiomontur	

# Expenditures of Department of Agriculture for year ending June 30, 1903—Cont'd. FOREIGN SEED AND PLANT INTRODUCTION—SETTLED BY TREASURY.

Date.	Name.	Nature of payment.	Total.
1903. Mar. 4 June 23	The Baltimore and Ohio R. R. Co	Transportation Passenger transportation	\$2.54 16.00 18.54
1902. July 1	Special agents.  Thos. H. Kearney Ernst A. Bessey		3,000.00 4,000.00
1903. May 29	Henry L. Bolley	-	500.00

#### BUREAU OF ANIMAL INDUSTRY, SALARIES, ETC.

1902. uly 17	E. Morrison Paper Co	Cards	
	Edw. S. Schmid	Feed	
	Parker, Bridget & Co	Coats	
	B. B. Ernshaw & Bro	Oats	
18	Wm. E. Mowrer	Traveling expenses	
19	Della Brown	Services	
•	Henry E. Alvord	Traveling expenses	
21	H. W. Mills & Co	Wire	
22	Ch. Wardell Stiles	Traveling expenses	
	Wagner Typewriter Co	Type, etc	
	S. Kann, Sons & Co	Oilcloth, etc	
	Ernest Betz	Pipe	
	Henry Evans	Roach paste	
	District of Columbia Paper Manufactur-	Paper	
	ing Co.	-	
	J.P. Nawrath	Twine	
	Library Bureau	Desks, etc	
23	Queen & Co. (Incorporated)	Thermometers	
	Theo. W. Estler	Alum	
24	D. E. Salmon	Traveling expenses	
26	Arch. McBride	do	
28	S. M. Birch Lumber Co	Lumber	
29	Geo. E. Howard & Co	Labels	
31	A. Y. Gray	Hogs	
	Marion Dorsett et al	Salaries	4,
ug. 2	Geo. E. Howard & Co		
	Levi Wells		
4	B. F. Van Valkenburg		
	H. A. Hedrick et al	Salaries	
	Julius Huelsen et al	do	-
	W. H. Rose et al		1,
	Geo. A. Myers & Co	Paper	
	Eureka Blotter Bath Co	Copying cloth	
	Lamb & Tilden	Ink	
	F. W. Huntington et al	Salaries	
	Samuel E. Bennett et al	do	
	Edw. P. Dowd et al	do	
	Nathan K. Fegley et al.	do	
	Albert Dean et al Thos. W. Carnachan et al	do	4
	Thos, w. Carnachan et al	ao	1,
	H. D. Mayne	Services	
	E. L. Volgenau	do	
	Jos. W. Parker Leslie J. Allen	do	
	Thos. A. Bray		
	Wm. G. Shaw		
	Geo. W. Browning		
	Harry D. Paxson	do	
	Thos. Castor	: do	
	Peter I. Kershner	do	
	Geo. E. Totten	do	
	Louis Metsker		
	A. H. Wallace		
	Harry B. Adair	do	
	E. J. Foreman	do	
	W. D. Jordan	do	
	Albert N. Irwin		
	ALLOUI V ATTI WILL	do	

Date.	Name.	Nature of payment.	Tota
1902.	,		
ug. 4	Clarence A. Clawson	Services	\$110
	Louis A. Klein	do	\$110 110
	Dan, McCunningham	do	110
	Harry L. McDonald	do	7.5
	Louis A Klein Dan, McCunningham Harry L, McDonald Chas, A, Brown	do Feed and seed Traveling expenses	110 75 75
ő	Edw. S. Schmid.  Merrill W. Lang C. L. Morin	Feed and seed	18
	Merrill W. Lang	Traveling expenses	94 101 75
	C. L. Morin		101
	Wm. H. Wade	do	75
	Chas. A. Schaufler et al	Salaries	1,038
	Wm. H. Wade Chas. A. Schaufler et al. Geo. C. Faville et al. Edw. S. Schmid.	do	1,038 294 1
6	Edw. S. Schmid	White mice	1
	B.B. Ernshaw & Bro	Oats	13
	Southern Printers' Supply Co	Electrotype	3,994 $2,945$ $941$ $2,797$ $1,315$
7	Don C. Ayer et al.	Salaries	3,994
	Harry N. waller et al	do	2,945
	A. R. Wake et al	do	941
	U. G. HOUCK et al	OD	2,797
	Albert F D-b-b- et al	00	1,510
- 1	Lowis P. Polton et al	do	1,200
	Goo W Pope et al	do	1, 206 922 783
	Royd Roldwin of al	do	628
	Edw P Schaffter et al	do	603
	F W Ainsworth et al	do	363
	J. C. Milnes et al	do	286
	Joseph Miller et al	do	254
	Louis K Green et al	do	239
	Geo. Ditewig et al	do	239 269
	Jos. M. Good et al	do	178
	W. J. Murphy et al	do	178
	W. S. Cass et al	do	178 178
	Fredk. Braginton et al	do	178
	Weslev M. Neil et al	do	178
	W. H. Gibbs et al	do	161
	W. R. Fleming	Services	161 101
	Jas. W. Davis	do	75
	Chas. A. Schaufler et al Geo. C. Faville et al Edw. S. Schmid. B. B. Ernshaw & Bro Southern Printers' Supply Co Don C. Ayer et al Harry N. Waller et al A. R. Wake et al U. G. Houck et al Jas. J. Brougham et al Albert E. Behnke et al Lewis R. Baker et al Geo. W. Pope et al Boyd Baldwin et al Edw. P. Schaffter et al F. W. Ainsworth et al J. C. Milnes et al Joseph Miller et al Louis K. Green et al Geo. Ditewig et al Jos. M. Good et al W. J. Murphy et al W. S. Cass et al Fredk. Braginton et al W. H. Gibbs et al W. B. Fleming Jas. W. Davis E. Sudendorf Geo. E. Howard & Co Lutz & Co H. P. Pillsbury J. M. Jeffries F. P. Shea Rudolph, West & Co Mackall Bros Saml E. Bennett No Ears G. W. Judd G. M. Reeves Travis & Defreece Geo. S. Hickox Jno. McBirney Lowell Clarke Walter E. Howe	Butter	447
8	Geo. E. Howard & Co.	Labels	800 37
	Lutz & Co	Saddle, etc.	37
	H.P. Pillsbury	Meal and straw	260
	J. M. Jeffries	Services	20
	P. P. Snea	Mare	20 50 52
	Moolroll Proc	Clysopine etc	50
	Saml F Ponnott	Use horse and burger	38
	No Fore	Posturing hove	29
	G W Indd	Corn	22
	G M Reeves	Pigs	21
	Travis & Defreece	Fencing and nails	14
	Geo. S. Hickox	Services	$\frac{14}{117}$
	Jno. McBirney	do	134
	Jno. McBirney Lowell Clarke Walter E. Howe	do	134 117 117
	Walter E. Howe	do	117
	Matthias S. Lantz	do	117 117 117
	Frank C. Eells	do	117
	Lowell Charke Watter E. Howe Matthias S. Lantz Frank C. Eells Hugh M. Rowe David C. Hanawalt Robt. H. Treacy Geo. A. Bond Nathl. B. Smith Clinton H. Bugbee Boy N. Drake J. Otis Jacobs R. A. Ramsay Warren Worcester A. R. Glaisyer I. W. O'Rourke H. J. Hammond Thos. White Frisbie T. Suit Wilton F. Crewe Howard D. Ebey W. R. Dennis A. J. Smith David R. Hodges Edw. A. Bunday	do	117
	David C. Hanawalt	do	117 117 117 117
	Robt. H. Treacy,	do	117
	Geo. A. Bond	do	117
	Nathl. B. Smith	do	117
	Clinton H. Bugbee	do	117
	Roy N. Drake	do	117
	J. Otis Jacobs	do	117
	R. A. Ramsay	do _:	117.
	Warren Worcester	do	117 117 117 117 117 101
	A. R. Glaisyer	d0	101. 101.
	H. T. Haramand	do	101
	The White	do	101 101 101
	Prighic T Suit	do	101
	Wilton F Crawa	do	101
	Howard D Eboy	do	75
	W R Dennis	do	75. 75.
	Δ I Smith	· do	75
	David R Hodges	do	75. 75.
	David R. Hodges Edw. A. Bunday Jas. Irwin	do	75.
	Jas Irwin	do	84.
	Patrick Dorsey Harry F. Hume	do	6. 56.
- 1			

# Expenditures of Department of Agriculture for year ending June 30, 1903—Cont'd. BUREAU OF ANIMAL INDUSTRY, SALARIES, ETC.—Continued.

ate. 	Name.	Nature of payment.
02.	Jno. A. Bell Wm. E. Mowrer A. J. Pistor Geo. W. Butler W. J. Kennedy D. Cumming Allen A. Holcombe M. O. Anderson M. W. Lang Jno. Forbes et al. Chas. H. Zink et al. Wm. Thompson et al. Albert J. Payne et al. O. E. Dyson et al W. J. Stewart et al Arda Watson et al Arda Watson et al Arthur B. Morse et al Arthur B. Morse et al J. T. Walker Sons American Ice Co E. A. de Schweinitz Houghton & Delano A. Y. Gray M. Birch Lumber Co Whitall, Tatum Co do	G
g. 8	Jno. A. Bell	Services
	A I Dieton	do
	Geo W Butler	do
	W.J. Kennedy	do
	D. Cumming	do
	Allen A. Holcombe	do
	M. O. Anderson	do
	M. W. Lang	do
	Jno. For bes et al.	Salaries
	Wm Thompson et al	do
	Albert J Payne et al	do
9	O. E. Dyson et al	do
	W.J. Stewart et al	do
	Arda Watson et al	do
	Jno. W. Burton et al.	do
-11	Arthur B. Morse et al	do
11	Yawman & Erbe Manufacturing Co	Cards
	7 D Gilmon	Needles etc
	I T Wolker Sone	Lime
	American Ice Co	Ice
12	E. A. de Schweinitz	Expenses
	Houghton & Delano	Velox
13	A. Y. Gray	Hogs
14	A. Y. Gray S. M. Birch Lumber Co Whitall, Tatum Co do Tawman & Erbe Manufacturing Co Wm. Krafft Pehr Ehrenhiem St. Louis National Stock Yards A. G. G. Richardson et al E. N. Hutchinson et al E. N. Hutchinson et al Henry P. Ormsby et al Richd. W. Tuck et al W. B. Niles et al Frank D. Ketchum et al F. L. De Wolf et al Trajan A. Shipley et al Jas. S. Kelly et al Richd. J. Blanche et al Niels C. Sorensen et al Riche P. Steddom et al Geo. S. Baker et al Geo. S. Baker et al Geo. S. Baker et al F. W. Bicknell Jas. M. Turner Willis B. Lincoln Fredk. T. Dolan W. P. Ellenberger W. D. Collyer F. M. Perry Jas. Fleming Thos. O'Shaughnessy Murray J. Myers G. W. Ward Hervey T. Potter Tresey Cowan W. E. Hill Frank A. Paddock Chas. Cowie E. L. Volgenau W. D. Collyer Henry T. Potter Tresey Cowan W. P. Dellen Frank A. Paddock Chas. Cowie E. L. Volgenau W. D. Collyer Henry T. Potter Tresey Coyan Henry T. Potter Geo. W. Pope C. L. Morin C. A. Clawson Wm. G. Shaw Wm. G. Shaw Wm. G. Shaw Wm. G. Shaw Wm. C. Honan	Lumber Test tubes Glass rods Binding case
	Whitall, Tatum Co	Test tubes
	do	Glass rods
	Yawman & Erbe Manufacturing Co	Bluding case
	W M. Kralit	Office pont
	St Louis National Stock Vards	do
	A G G Richardson et al	Salaries
	E N Hutchinson et al	do
	Thos. J. Turner et al	do
	Henry P. Ormsby et al	do
	Richd. W. Tuck et al	do
	W. B. Niles et al	do
	Frank D. Ketchum et al	do
	F. L. De Wolf et al	do
	Trajan A. Snipley et al	do
	Right I Blanche at al	do
	Niels C Sorensen et al	do
	Rice P. Steddom et al	do
	Geo. S. Baker et al.	do
	Robt. Darling et al	do
	Chas. Loveberry et al	do
	Chas. Keane et al	do
	O. B. Hess et al	do
	F. W. BICKHEII	Services
	Willis R Lincoln	do
	Fredk, T. Dolan	do
	W. P. Ellenberger	do
	W. D. Collyer	do
	F. M. Perry	do
	Jas. Fleming	do
	Thos. O'Shaughnessy	do
	Murray J. Myers	do
	Hoppor T. Potton	do
	Tracay Cowen	do
	W E Hill	do
	Frank A. Paddock	do
	Chas, Cowie	do
	E. L. Volgenau	Traveling expenses
	W. D. Collyer	do
	Henry T. Potter	do
	Geo. W. Pope	do
	C. L. Morin	do
	C. A. Clawson	do
	C. L. Morin C. A. Clawson Wm. G. Shaw Wm. C. Honan Boyd Baldwin Geo. W. Pope W. H. Rose Clarence Loveberry Thos. J. Turner	do
	W.H. C. Honan	Office owners
	Coo W Popo	Omce expenses
	W H Poss	do

Date.	Name.	Nature of payment.	Total.
1902.	,		
ug. 14	A. G. G. Richardson Wm. Lochte do W. B. Moses & Sons A. P. Little Mendenhall Transportation Co. A. Haumball E. F. Goodall The American News Co Emory Davis W. H. Wray J. F. Ryder Fredk. T. Dolan A. J. Pistor A. H. Wallace Chas. Cowie F. L. Russell David R. Hodges Walter E. Howe Allen A. Holcombe Chas. A. Brown Geo. E. Totten Louis A. Klein Geo. W. Browning Peter I. Kershner Wilton F. Crewe W. H. Wray W. B. Niles Saml. E. Bennett W. H. Wray W. B. Niles Saml. E. Bennett W. H. Wray Caroline Burnaby J. F. Ryder F. L. Russell Granville H. Parks Library Bureau Densmore Typewriter Co	Office expenses	\$8.1
	Wm. Lochte	Repairing cart	7.0
	W B Mosos & Sons	Horseshoeing, etc	13.0
15	A. P. Little	Stationery etc	18. 6
	Mendenhall Transportation Co.	Hauling	12.0
	A. Haumball	Repairing chair	2.0
	E. F. Goodall	Record	5. 5
	Emory Davis	Eureka Farmer clips	9. 8
	W. H. Wray	Traveling expenses	8.1
	J. F. Ryder	do	30.0
	Fredk. T. Dolan	do	6.5
	A. J. Pistor	do	7.5
	Chas Cowie	do	18.0
	F. L. Russell	do	7 9
	David R. Hodges	do	8.2
	Walter E. Howe	do	3.7
	Allen A. Holcombe	do	20.8
	Chas. A. Brown	do	3. 2
	Louis A Klein	do	13 9
	Geo. W. Browning	do	4.9
	Peter I. Kershner	do	5.7
	Wilton F. Crewe	do	4.0
	W. H. Wray	Office rent	2.7
	Saml E Bennett	do	50.4 13.6
	W. H. Wray	Services	387.
	Caroline Burnaby	do	\$8. \$8. \$1. 13. 18. 8. 6. 12. 2. 5. 5. 9. 4. 8. 8. 8. 24. 7. 7. 8. 8. 30. 6. 7. 7. 18. 18. 24. 25. 35. 13. 38. 7. 40. 16. 134. 16. 134. 12. 29. 20. 16. 16. 134. 12. 29. 20. 7. 1. 10. 12. 29. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10
	J. F. Ryder	do	168. 5
10	F. L. Russell	do	16.0
16	Library Bureau	Cards	134.8
	Densmore Typewriter Co	Renairing machine	37
	Geo. E. Howard & Co.	Repairing machine Meat-inspection labels	800.0
18	Densmore Typewriter Co Geo. E. Howard & Co W. B. Niles	Traveling expenses	10.8
19	Carrie Ehlers Rosanna McDonnell R. Carter Ballantyne		42.5
	Rosanna McDonnell	Stationowy	29. 8
20	.1 T' Thomson	Stamping letter paper	16.5
140	R. W. Burrell Chas. Hubinger	Galvanized pipe	41.
	Chas. Hubinger	Hardware	42.
	R. J. O'Brien Biddell & Bogart Printers' Supply Co	Servicesdo Stationery Stamping letter paper Galvanized pipe Hardware Oats, etc Paints etc	9.3
	Ino I Haves	Paints, etc. Traveling expenses.	12.7
	Jno. J. Hayes. Thos, Castor Dan, McCunningham	do	28
	Dan, McCunningham	do	25.4
	Albert N. Irwin Jos. W. Parker Harry McDonald Wm. D. Jorden	do	20.
	Jos. W. Parker	do	7.4
	Harry McDonald	do	14.0
	H D Mayne	do	20.4
	G. W. Ward	do	30.7
	Wm. D. Jorden H. D. Mayne G. W. Ward F. M. Perry Wm. F. Pflaeging Chas. M. Day Robt. H. Treacy Howard D. Ebey Julius Huelson	do	26.5
	Wm. F. Pflaeging	do	14.4
	Chas. M. Day	do	36.7
	Howard D. Fhoy	ao	99 9
	Julius Huelson	Office expenses	\$8. \$8. \$7. \$13. \$18. \$6. \$12. \$2. \$2. \$5. \$9. \$4. \$8. \$30. \$6. \$6. \$7. \$7. \$8. \$8. \$30. \$30. \$30. \$13. \$387. \$40. \$10. \$10. \$10. \$10. \$10. \$10. \$10. \$1
21	Church & Stephenson	Lumber	384.
	Geo. E. Howard & Co	Meat-inspection labels	800.0
22	Alec Adams	Horses	20.0
22	Jno. McBirney	Traveling expenses	79.0
	Edwd A Bundy	do	5 (
	Howard D. Ebey Julius Huelson Church & Stephenson Geo. E. Howard & Co Alec Adams Jno. McBirney J. Otis Jacobs Edwd. A. Bundy E. T. Davison R. A. Ramsay W. P. Ellenberger Thos. White	do	91.9
	R. A. Ramsay	do	46. 2
	W.P. Ellenberger	do	67.4
	W. P. Ellenberger Thos. White A. R. Glaisyer Geo. S. Hickox	do	9. 5
	A. R. Glaisyer	do	51 6
	do	Office expenses	
	Lowell Clarke	do	79. 5
	Warner Worcester	Traveling expenses	27.5
	Frank C. Wells	do	25. 5
	Matthias S. Lantz Frisbie T. Suit Hugh M. Rowe	do	15.1
			16.7

Date.	Name.	Nature of payment.	Total.
1902.			
ug. 22	Nathl. B. Smith. D. C. Hanawalt Isaac W. O'Rourke	Traveling expenses	\$34. 81. 84.
	D. C. Hanawalt	do	81.
	Harry D. Paxson	do	84. 19
	Harry D. Paxson Ernest J. Foreman Leslie J. Allen Jno. J. Hayes H. E. Alvord H. J. Hammond Clinton H. Bugbee Louis Motskor	do	12. 17. 40.
	Leslie J. Allen	do	40.
	Jno. J. Hayes	Services	111
	H. E. Alvord	Traveling expenses	64.
25	H.J. Hammond	do	ĐĐ.
	Chnton H. Bugbee	do	110.
	Cuniof H. Daglee Louis Metsker O. B. Hess W. S. Cass. Robt Darling	do	72. 87.
	W.S. Cass	do	34.
	Robt. Darling	do	25.
	F. D. Ketchum	do	25.
	Albert E. Behnke	do	35.
	F. D. Ketchum Albert E. Behnke Russell G. Merrill O. E. Dyson	Hire of horse, etc	15.
	O. E. Dyson	Traveling expenses	20.
	S. W. Burt Jno. C. Lorenzen	Horse hire	25.
	S. W. Burt	Horse hire, etc.	25. 35.
	Ino R Sino	do	35.
	Chas Hacker	do	19.
	American Electric Co.	Electric fans	29.
	Chas. Hacker American Electric Co Jas. J. Brougham	Electric fans Horse and buggy	40.
	Jas. W. Davis Don C. Ayer Chas. Keane E. C. Schroeder	do	18.
	Don C. Ayer	do	15. 25.
	Chas. Keane	do	25.
	E. C. Schroeder	Expenses	8.
26	Henry E. Alvord Washington Gaslight Co United States Electric Lighting Co	Butter	1. 41. 48.
20	United States Electric Lighting Co	Gas. Current Repairs to skylight	18
			2.
	Edwd. S. Schmid	White mice	1.
	Blue Line Transfer Co	Drayage	2.
	Edwd. S. Schmid Blue Line Transfer Co Thos. Somerville & Sons	Soapstone	4.
27	Edwd. L. Wells	Traveling expenses	1.
	Edwd. S. Schmid Blue Line Transfer Co Thos. Somerville & Sons Edwd. L. Wells Roy N. Drake A. J. Smith Levi Wells Cut West (Indian)	do	52. 63.
	A.J. Smith	do	
	Cut Most (Indian)	Horse	74. 10.
	Eherhard Faher	Rubbar bands	3
	Cut Meat (Indian) Eberhard Faber D. Dullaghan	Rubber bands Feeding horse, etc	3. 7.
	R. W. Burrell	Galvanized pipe	31.
	R. W. Burrell Passaic Feed Co Bausch & Lomb Optical Co. M. P. Bush	Oats, hay, etc Chemical apparatus, etc	38.
	Bausch & Lomb Optical Co	Chemical apparatus, etc	101.
	M. P. Bush	Sand soap Martingale, etc	1.
90			3,
28	Oscar Hiatt Tooie A. Geddes	Shoats Traveling expenses	40.
	Z D Gilmon	Chemical apparatus, etc.	219. 76.
	Toole A Geddes	Services	168
30	Marion Dorset et al	Services Salaries Cattle	4 765
pt. 2	D. P. Collins	Cattle	168. 4,765. 111.
ept. 2 3	Tooie A. Geddes Z. D. Gilman Tooie A. Geddes Marion Dorset et al D. P. Collins E. Sudendorf Simpson McIntire F. P. Shea Merrill W. Lang D. E. Salmon Geo. E. Howard & Co do L. F. Vermillion National Electric Supply Co Z. D. Gilman Depue & Church	Butter	1,364
	Simpson McIntire	do	4.
	F. P. Shea	Hogs	120.
4	Merrill W. Lang	Traveling expenses	164.
4	Geo F Howard & Co	do Labelsdo	58. 800.
	do	do	800.
5	E.F. Vermillion	Inspecting boiler	5.
	National Electric Supply Co	Repairing motor	18
	Z. D. Gilman	do Inspecting boiler Repairing motor Thermometer, etc Oats	62 11
	Depue & Church	Oats	11
	Castelberg National Jewelry Co	Silk	1.
	M. G. Copeland & Co	Awning	19.
	Z. D. Gilman Depue & Church Castelberg National Jewelry Co M. G. Copeland & Co L. S. Depue A. D. Melvin Granville H. Parks	Awning Oats Traveling expenses	280. 17.
9	Granville H Parks	Services	124
0	W R Fleming	do	134. 101. 75.
	J. W. Davis	do	75
	A. R. Wake et al	Salaries	1 369
	F. L. De Wolf et al.	do	1,062 1,904
	Louis A. Robinson et al	do	1,062
	Thos. W. Carmachan et al	do	1,904
	Granville H. Parks : W. R. Fleming J. W. Davis A. R. Wake et al F. L. De Wolf et al Louis A. Robinson et al Thos. W. Carmachan et al Chas. A. Schaufler et al Chas. H. Zink et al W. J. Murphy et al Fredk. W. Ainsworth et al	do	998
	W. I. Murphy et al.	do	737 178

# $Expenditures of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30,1903-Cont'd.$

Date.	Name.	Nature of payment.	Total
1902.		,	
ept. 9	Jno. Forbes et al.	Salaries	\$3,002 662 478 178
10	Julius Huelsen et al	do	665
	H. A. Hedrick et al	do	478
	Edw. P. Dowd et al	do	178
	Jos. M. Good et al	do	
	Jno. Forbes et al. Julius Huelsen et al. H. A. Hedrick et al. Edw. P. Dowd et al. Jos. M. Good et al. U. G. Houck et al. Harry N. Waller et al. Saml. E. Bennett et al. F. W. Huntington et al. Edw. P. Schaffter et al. Albert E. Behnke et al. Geo. Ditewig et al.	do	2,974 2,817 887 158
	Harry N. Waller et al	do .	2,817
	Saml, E. Bennett et al	do	887
	F. W. Huntington et al	do	159
	W. H. Rose et al	do	
	Edw. P. Schaffter et al	do	$1,150 \\ 617$
	Albert E. Behnke et al	do	1.208
	Geo. Ditewig et al	do	1, 206 269 16
	F. L. Russell	Services	16
	Thos, O'Shaughnessy.	do	78
	F. W. Bicknell	do	200 800
11	Geo. E. Howard & Co.	Labels	800
	A. G. G. Richardson et al.	Salaries	7,495
	Don C. Aver et al	- do	3,991
	Wm. Thompson et al	do	1,120 $1,011$
	Frank D. Ketchum et al	do	1,011
	Jas. J. Brougham et al.	do	1.276
	A. J. Payne et al	do	1,056
	Edw. P. Schaffter et al Albert E. Behnke et al Geo. Ditewig et al F. L. Russell Thos. O'Shaughnessy F. W. Bicknell Geo. E. Howard & Co A. G. G. Richardson et al Don C. Ayer et al Wm. Thompson et al Frank D. Ketchum et al Jas. J. Brougham et al A. J. Payne et al Niels C. Sorensen et al Louis K. Green et al W. S. Cass et al Clarence Looeberry et al Richd. W. Tuck et al Jas. S. Kelly et al Wesley N. Niel et al Richd. J. Blanche et al Nathan K. Fegley et al Fredk, Braginton et al Boyd Baldwin et al Chas. Keane et al E. M. Hutchinson et al Henry P. Armsby et al Geo. W. Pope et al Geo. S. Baker et al O. B. Hess et al Trajan A. Shipley et al Arthur B. Morse et al Riche P. Steddom et al D. E. Salmon Louis K. Green W. S. Cass	do	1,276 1,056 1,866
12	Louis K. Green et al	do	245
	W. S. Cass et al	do	178
	Clarence Looeberry et al	do	178 252 420
	Richd, W. Tuck et al	do	420
	Jas. S. Kelly et al	do	239
	Wesley N. Niel et al.	do	178 141
	Richd. J. Blanche et al	do	143
	Thos. J. Turner et al	do	838 254
	Nathan K. Fegley et al	do	254
	Fredk. Braginton et al	do	178
	Boyd Baldwin et al	do	628
	Chas. Keane et al	do	421
	E. M. Hutchinson et al	do	471
	Henry P. Armsby et al	do	471 190
	Geo. W. Pope et al	do	947
	Geo. S. Baker et al.	do	422
	O. B. Hess et al.	do	947 422 195
	Trajan A. Shipley et al	do	321
	Arthur B. Morse et al	do	178
	Rice P. Steddom et al	do	20a 91
	D. E. Salmon	Traveling expenses	93
	Louis K. Green	Use horse, etc.	. 4
	W.S. Cass American Ice Co	Use horse, etc	34
		Ice Towel service	9:
	J.D.Frazee	Towel service	
	do Chas, Keane O. E. Dyson et al	do	25 13, 319
10	Chas Keane O. E. Dyson et al Joshua Miller et al	Use norse, etc	10.016
13	O. E. Dyson et al	Salaries	13, 319
15	Joshua Miller et al	do	294
	W. B. Niles et al	d0	254 556 922
	W. B. Niles et al Lewis R. Baker et al Geo. C. Faville et al	do	922
	W F Cibbs et al	do	294
	W. H. Gibbs et al E. T. Davison et al W. B. Niles do Discrete	do	161 347 28
	W. D. Nilos	Emparaca	96
	do	Traveling expenses	700
	Eli Carollore	Mane	10
	Eli Swallow Sleeping Bear	Maredo	10
	Vetic Leefen	do	10
	St Louis National Stock Vand	Rent	50
	Roni Loccort	Maras	20
	G W Judd	Corn	22
16	Caroline Rurnahy	Service	40
10	En Swahow Sleeping Bear Katic Loafer St. Louis National Stock Yard Benj. Lessert G. W. Judd Caroline Burnaby J. F. Ryder W. H. Wray do do J. F. Ryder Geo. E. Howard & Co Robt. Darling et al	do -	168
	W.H. Wray	do	387
	do	Traveling expenses	8
	do	Expenses	9
	J. F. Ryder	Traveling expenses	30
	J. F. Ryder. Geo. E. Howard & Co Robt. Darling et al Albert Dean et al Bertha I. Allen et al	Labels	800
17	Robt, Darling et al	Salaries	800 195
1.	Albert Dean et al.	do	606
	Bortha I Allen et al	do	4,604
	B L Stine	- do Expenses	2,002
	B. L. Stine Julius Huelsen Boyd Baldwin Saml. E. Bennett	do	6

	Name.	Nature of payment.
ĩ	E. N. Hutchinson Geo. W. Pope W. H. Rose Thos. J. Turner E. A. de Schweinitz Frank C. Eells W. F. Pflaeging Walter E. Howe Edw. A. Bundy Hervey T. Potter H. D. Mayne C. L. Morin F. L. Russell Harry D. Paxson Geo. E. Totten Louis A. Klein	Expenses
	Geo. W. Pope	do
	W. H. Rose	do
	E A de Schweinitz	do
	Frank C. Eells	Traveling expenses
	W. F. Pflaeging	do
	Walter E. Howe	do
	Edw. A. Bundy	do
	Hervey T. Potter	do
	Chas Cowie	do
	C. L. Morin	do
	F. L. Russell	do
	Harry D. Paxson	do
	Geo. Ě. Totten	do
	Louis A. Klein Western L. Johnson Clarence A. Clawson	do
	Western L. Johnson	00
	Chas A Brown	do
	Ernest I Foreman	do
	Geo, C. Moser	do
	E. L. Volgenau	do
	Clarence A. Clawson Chas. A. Brown Ernest J. Foreman Geo. C. Moser E. L. Volgenau do Matthias S. Lantz Thos. White	do
	Matthias S. Lantz	do
	Thos. White	00
	Matthnas S. Lantz Thos, White A. J. Pistor W. P. Ellenberger Fredk. T. Dolan. Clarence Loveberry Geo. S. Beeker M. J. Myers Geo. W. Pope Chas. M. Day F. M. Perry W. D. Collyer Geo. S. Hickox Jno. McBirney S. R. Burch. Howard D. Ebey Matthias S. Lantz Wilton F. Crewe Frank C. Eells Wm. Pflaeging David R. Hodges Walter E. Howe Roy N. Drake Geo. A. Band	00
	Fredk T Dolan	do
	Clarence Loveberry	do
	Geo. S. Becker	do
	M. J. Myers	do
	Geo. W. Pope	do
	Chas. Al. Day	do
	W. D. Collyon	do
	Geo S Hickor	do
	Jno. McBirney	do
	S. R. Burch	do
	Howard D. Ebey	Service
	Matthias S. Lantz	do
	Wilton F. Crewe	do
	Wm Delagging	do
	David R. Hodges	do
	Walter E. Howe	do
	Walter E. Howe Roy N. Drake Geo. A. Bond D. C. Hanawalt Clinton H. Bugbee Frisby T. Suit N. L. Townsend Nath. B. Smith Albert N. Irwin Hugh M. Rowe Edw. A. Bundy Harvey T. Potter H. D. Mayne	do
	Geo. A. Bond	do
	D. C. Hanawalt	do
	Clinton H. Bugbee	do
	N. I. Townsond	do
	Nath B Smith	do
	Albert N. Irwin	do
	Hugh M. Rowe	do
	Edw. A. Bundy	do
	Harvey T. Potter	do
	Harvey 1 Fotter H. D. Mayne D. Cumming Geo. W. Ward Wm. E. Mowrer Merrill W. Lang Levi Wells.	do
	Geo W Ward	do
	Wm. E. Mowrer	do
	Merrill W. Lang	do
	Levi Wells	do
	W. D. Collyer	do
	B. F. Van Valkenburg	do
	W. D. Collyer B. F. Van Valkenburg Chas. Cowie C. L. Morin	do
	F M Perry	do
	Jos. M. Turner	do
	Robt. H. Treacy	do
	Geo. W. Browning	do
	A. H. Wallace	do
	Louis Metsker	do
	Harry D. Paxson	do
	C. L. Morin F. M. Perry Jos. M. Turner Robt. H. Treacy. Geo. W. Browning A. H. Wallace Louis Metsker Harry D. Paxson Thos. A. Bray Wm. G. Shaw Jos. W. Parker Harry B. Adair Thos. Castor L. J. Allen	do
	Jos W Parker	do
-	Harry B. Adair	do
-	Thos, Castor	do

 $Expenditures of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30, 1903-{\bf Cont'd.}$ 

te.	Name.	Nature of payment.	To
)2.	,		
.17	Geo. E. Totten Peter I. Kershner Louis A. Klein W. L. Johnson Harry L. McDonald Wm. D. Jorden Dan McCunningham Clarence A. Clawson Chas A. Brown	Service	\$
	Peter I. Kershner	do	
	Louis A. Klein	do	
	W. L. JOHNSON Harry I. McDonald	do	
	Wm. D. Jorden	do	
	Dan McCunningham	do	
	Clarence A. Clawson	do	
	Chas. A. Brown	do	
	Ernest J. Foreman	do	
	E. L. Volgenau	00	
	W P Ellenberger	do	
	Wm B Lincoln	do	
	Murray J. Myers	do	
	Fredk. T. Dolan	do	
	Robt. Darling	Use horse, etc	
	Arthur R. Glaisyer	Service	
	H.J. Hammond	do	
	Geo. S. Hickox	do	
	W R Dennis	0u	
	I. W. O'Rourke	do	
	Dan McCunningham Clarence A. Clawson Chas. A. Brown Ernest J. Foreman E. L. Volgenau A. J. Pistor W. P. Ellenberger Wm. B. Lincoln Murray J. Myers Fredk. T. Dolan Robt. Darling Arthur R. Glaisyer H. J. Hammond Geo. S. Hickox Jno. McBirney W. R. Dennis I. W. O'Rourke. Thos. Redmond Warren Worcester Henry R. McNally Lowell Clarke J. Otis Jacobs Jno. J. Hayes R. A. Ramsey A. J. Smith M. O. Anderson Wm. H. Wade	do	
	Warren Worcester	do	
	Henry R. McNally	do	
	Lowell Clarke	do	
	J. Otis Jacobs	do	
	Jno. J. Hayes	do	
	A I Smith	do	
	M O Anderson	do	
	M.O.Anderson Wm.H.Wade	do	
	Thos. White	do	
	W. E. Hill	do	
	Geo. W. Butler	do	
	A. A. Holcombe	do	
	wm. H. wade Thos. White W. E. Hill Geo. W. Butler A. A. Holcombe W. J. Kennedy Patck. Dorsey Harry F. Hume	do	
	Hanny F Unimo	do	
	do	do	
	M. E. Knowles	do	
	Jas, Irwin Rudolph, West & Co	do	
	Rudolph, West & Co	Level, etc	
	Wm. Lochte		
	P. Mann & Co	Shoeing norses Paris green Repairing skylight Card cylinder, etc Steam packing Fiber, etc Cabinet	
	Ernest Betz Wyckoff, Seamans & Benedict Thos, Somerville & Sons M, Du Perow Yawman & Erbe Manufacturing Co	Repairing skylight	
	Wyckoff, Seamans & Benedict	Card cylinder, etc	
	Thos, Somerville & Sons	Steam packing	
	Vawman & Erbe Manufacturing Co	Cabinet	
	Chas, Blindman	Mare	
	Chas, Bindman D. Dullaghan Thompson & Feeson C. H. Little Dan Hanniff J. J. Brougham Jno. B. Sine Jno. C. Lorenzen S. W. Bunt	Mare Care of mares	
	Thompson & Feeson	do	
	C.H.Little	Mare	
	Dan Hanniff	Mare and colt	
	J.J. Brougnam	Use norse and buggy	
	Jno C Lovengen	do	
	S W Rurt	do	
	S. W. Burt O. E. Dyson The Anderson Lumber Co. Wm. Krafft	do	
	The Anderson Lumber Co	Lumber	
	Wm. Krafft	Glass slides, etc	
	Bausch & Lomb Optical Co	Test tubes, etč	
	Eimer & Amend	Neutral red	
	E. Sudendorf Pehr Ehrenheim	Butter Office rent	
	He Dog	Maro	
	He Dog A. E. Behnke	Mare Use horse and buggy	
	Jas. W. Davis Don C. Ayer F. D. Ketchum Russell G. Merrill	do	
	Don C. Aver	do	
	F. D. Ketchum	do	
	Russell G. Merrill	do	
	Chas. Hacker	a. do	
	Chas Hacker B. O. Ewing Whitall, Tatum Co C. H. Bugbee Nathaniel B. Smith Jos. W. Parker	Mares	
	W Intall, Tatum Co.	Traveling expenses	
	V. H. Bugbee	do de la raveling expenses	
		(10)	

Dat	e.	Name.	Nature of payment.	Total.
1902	2.			
Sept.		Thos, Castor Dan, McCunningham	Traveling expenses	\$33.
		Dan. McCunningham	do	38.
		Wm. C. Honan	do	19.
		Ino. A. Bell	do	64.
		Jno. C. Milnes et al Vermont Farm Machine Co	Salaries	286. 10.
10	Vermont Farm Machine Co	Thermometers	3.	
18	Lansburgh & Bro The Geo. W. Knox Express Co Pennsylvania R. R. Co. The Chicago, Burlington & Quincy R. R. Co.	Initials Transportation Passenger transportation. do Traveling expenses do do	Э.	
		Panneylvania R R Co	Passenger transportation	6.
		The Chicago Burlington & Quincy R. R. Co	do	34.
	19	Allen A. Holcombe Peter I. Kershner Arch, H. Wallace	Traveling expenses	42.
		Peter I. Kershner	do	9.
		Arch. H. Wallace	do	9. 49.
		Roy N. Drake Warner Worcester	do	43.
		Warner Worcester	do	42.
		H. M. Rowe Geo. S. Hickox	do	75.
		Geo. S. Hickox	Expenses	4.
		H. M. Rowe	Compressor glasses	9. 79.
	20	E. J. Brooks & Co Barber & Ross Geo. E. Howard & Co	Compresser glasses Gauge, etc Labels	3.
	22	Geo E Howard & Co	Lahels	800.
	1010			
		L. G. Orndorff	Rye	7.
		F. P. Shea L. G. Orndorff E. T. Davison et al do Wm. D. Jorden Leslie J. Allen Louis Metsker Wm. G. Shaw	Salaries	7. 437.
		do	Traveling expenses	104.
		Wm. D. Jorden	do	74. 72.
		Leslie J. Allen	do	72.
	1	Louis Metsker	do	45.
		Wm. G. Shaw	do	31.
		Wm. G. Shaw Albert N. Irwin Morris L. Townsend Robt. H. Treacy David R. Hodges Frisby T. Suit Wilton F. Crewe Lowell Clark Howard D. Ebey I. W. O'Rourke M. W. Lang Allen D. Melvin M. E. Knowles H. J. Hammon Toole A. Geddes Levi Wells	do	68.
		Morris L. Townsend	do	82. 29.
		David P Hodges	do	43.
		Fricht T Suit	do	51.
		Wilton F Crawa	do	15.
		Lowell Clark	do	89.
		Howard D. Ebev	do	56.
		I. W. O'Rourke	do	94.
		M. W. Lang	do	34.
	23	Allen D. Melvin	do	42.
		M. E. Knowles	do	67. 25. 198.
		H. J. Hammon	do	25.
		Tooie A. Geddes	do	198.
		Levi Wells	do	119.
		Tooie A. Geddes Fredk. W. Ainsworth	Services Expenses Trayeling expenses	168.
	24	Arthur A Glaisvar	Traveling expenses	8. 51.
	₩.	Henry R. McNally	do	42.
		Arthur A. Glaisyer Henry R. McNally G. W. Ward. D. E. Salmon	do	
		D. E. Salmon	do	15.
		A. P. Johnson	Card cylinder	7.
	25	J. Otis Jacobs	Traveling expenses	57.
		R. A. Ramsay	do	87.
		A. P. Johnson J. Otis Jacobs R. A. Ramsay Eimer & Amend	do	57. 87. 6.
		Woll Bros	Envelopes	6.
		Edw. S. Schmid	Y-oilege	
		Eimer & Amend Wolf Bros Edw. S. Schmid. do R. P. Andrews & Co Depue & Church E. C. Schroeder Henry Lucas H. O. Alley Thos. Redmond Jno. J. Hayes New York Central and Hudson River R. R. Co.	Feed Mucilage Penholders	2. 1.
		Denue & Church	Oats	11.
	26	E C Schroeder	Oats Expenses Corn	5.
	100	Henry Lucas	Corn	48.
		H. O. Alley	Pigs	20
		Thos. Redmond	Traveling expenses	96.
		Jno. J. Hayes	do	33.
		New York Central and Hudson River	Traveling expenses do Passenger transportation	96. 33. 3.
		R. R. Co.	,	
		Lenigh Valley R. R. Co	do	11.
		Louisville and Nashville R. R. Co.	do	12. 57.
	29	rennsylvania K. K. Co	do	57.
	20	Geo. F. Howard & Co.	Tabels	100.
	30	R. K. Co. Lehigh Valley R. R. Co. Louisville and Nashville R. R. Co. Pennsylvania R. R. Co. Jno. H. Van Dyke. Geo. E. Howard & Co. Marion Dorset et al.	Colorios	800.
	30	Total first quarter		
ct.	1			190,560.
٠.	T	F. W. Bicknell Henry E. Alvord. Geo. M. Whitaker Levi Wells B. F. Van Valkenburgh	Traveling expenses	269.
		Geo M Whitaker	Sarvices	84. 120.
		Levi Wells	do	120. 125.
			dU	135. 150.

# $Expenditures of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30,1903--Cont'd.$

ate.	Name.	Nature of payment.	Tota
02.	,		
. 1	M. W. Lang F. W. Bicknell Eimer & Amend The American News Co The J. A. Van Winkle Co S. M. Birch Lumber Co (Geo. A. Morrington	Services	\$12
	F. W. Bicknell	Tubes, etc	20
	Elmer & Amend	Tubes, etc	15
	The I A Ven Winkle Co	Blotters	1
	S M Birch Lumber Co	Pipe Cement, etc	1
	Geo. A. Morrington	Gasoline	1 3
	Chas Hubinger	Screws etc	ā
	Adolph Kroll The Friedenwald Co E. Sudendorf	Carbolic acid	- 1
	The Friedenwald Co	_ Stamps	86 51 20
	E. Sudendorf	Butter for export	51
2	F. P. Shea	Pigs	20
	Jno. C. Parker	Pens, etc	8
3	Ino P Mobles	Services	20
9	W H Rose et al	Salarios	1 11
	H A Hedrick et al	do	1,11 $46$ $2,70$
4	Saml. E. Bennett et al.	do	2.70
	Edw. P. Schaffter et al	do	59
	Nathan K. Fegley et al	do	1, 16 $24$ $24$
	A. E. Behnke et al	do	1,16
	Joshua Miller et al	do	24
	Fredk. Braginton et al	do	17
	E. Sudendorf F. P. Shea Jno. C. Parker W. D. Collyer Jno. R. Mohler W. H. Rose et al H. A. Hedrick et al Saml. E. Bennett et al Edw. P. Schafter et al Nathan K. Fegley et al A. E. Behnke et al Joshua Miller et al Fredk. Braginton et al Harry N. Waller et al Geo. W. Pope et al Albert J. Payne et al Julius Huelsen et al C. A. Schaufter et al F. W. Huntington et al Lewis R. Baker et al Edw. P. Dowd et al Ledw. P. Dowd et al Edw. P. Dowd et al Edw. P. Dowd et al Edw. P. Benfield J. C. Schfield J. C. Schfield Jos. Kocer Thompson & Fuson	do	2,73 84
	Albert J. Payne et al	do	1 09
	Jos. M. Good et al	do	1,02
	Julius Huelsen et al	do	65 28
	Geo. C. Faville et al.	do	28
	C. A. Schaufler et al	do	94
	F. W. Huntington et al	do	14 89
	Lewis R. Baker et al	do	89
	Edw. P. Dowd et al	- do	17
6	E. H. Callin & Co	- Emery cake	2
О	T.C. Shoffold	- Mare	6
	Joe Koear	do	ē
	Jos. Kocer Thompson & Fuson	do	i
	D. Dullaghan	Care of mares	1
	Rice P. Sleddom et al	Salary	10
	D. Dullaghan Rice P. Sleddom et al Albert Dean et al	do	58
7	Albert Dean et al. American Ice Co Patk. Dorsey Harry F. Hume E. L. Volgenau. Hervey T. Potter F. M. Perry H. D. Mayne Allen A. Holcombe Jas. Irwin. W. H. Wade C. L. Morin G. H. Parks	do Ice Services	58 3 3
	Patk. Dorsey	Services	į.
	F. I. Volcopau	ao	5 11
	Hervey T Potter	do	4
	F. M. Perry	do	11
	H.D. Mayne	do	9
	Allen A. Holcombe	do	11
	Jas. Irwin	do	8
	W.H. Wade	do	7
	C. L. Morin	do	9
			13 11
	D Cumming	do	10
	Richd, J. Blanche D. Cumming Jos, W. Parker Leslie J. Allen Geo, W. Browning Harry D. Paxson Peter I. Kershner Geo, E. Totten Harry B. Adair	do	11
	Leslie J. Allen	do	11
	Geo, W. Browning	do	11
	Harry D. Paxson	do	11
	Peter I. Kershner	do	11
	Geo. E. Totten	do	11
	Harry B. Adair	do,	11
	Louis Metsker	do	11 11
	Wm C Chay	do	11
	The Caster	do	11
	Geo. E. Totten Harry B. Adair Louis Metsker Thos. A. Bray Wm. G. Shaw Thos. Castor A. H. Wallace Albert N. Irwin	do	11
	Albert N. Irwin	do	9
	C. A. Clawson	do	999
	W. L. Johnson	do	9
	Dan. McCunningham	do	9
	C.A. Clawson W. L. Johnson Dan. McCunningham Louis A. Klein	do	9
	Louis A. Klem Wm. D. Jorden Harry L. McDonald Ernest J. Foreman F. L. De Wolf et al Louis K. Green et al Boyd Baldwin et al Thos. J. Turner et al W. B. Niles et al	do	9
	Harry L. McDonald	do	4
	Ernest J. Foreman	- do	5
	F. L. De Wolf et al	Salaries	21
	Louis K. Green et al.	do	23
	Boyd Baldwin et al.	do	60
	Thos. J. Turner et al	do	80 56

ate.	Name.	Nature of payment.
902.		
. 7	W. J. Murphy et al F. W. Ainsworth et al Henry F Armsby et al Jno. Forbes et al Jno. W. Yurton et al. Geo. Ditewig et al James Fleming et al W/ ter J. Stewart et al Th. D. Henry Building Co Jas. Stikeman	Salaries
	F. W. Ainsworth et al	do
	Henry F Armsby et al	do
	Ino W Purton et al	do
	Geo Ditewig et al	do
	James Fleming et al	do -
9	We'ter J. Stewart et al	do Building barn Office rent
	Th D. Henry Building Co	Building barn
	Jas Stikeman Emma J. Adams et al New England Telephone and Telegraph Co- T. F. Rogers, agent City Telephone Co The Chesapeake and Potomac Telephone Co F. D. Ketchum	Office rent
	Emma J. Adams et al	do Service Office rent
	New England Telephone and Telegraph Co.	Service
	T. F. Rogers, agent	Omce rent
	The Chesanes keand Potomac Telephone Co.	Service
	F D Ketchum	do Use horse and buggy Office rent do do
	F. D. Ketchum C. Deaderick N. Rufus Gill	Office rent
	N. Rufus Gill	do
	Emma Curran, administratrix	do
	The Maryland Telephone and Telegraph Co	do
	N. Rufus Gill Emma Curran, administratrix The Maryland Telephone and Telegraph Co Herbert J. Harwood Gerald E. Street	do
	Fifty associates	Services Office rent
	Gerald E. Street Fifty associates Vew England Telephone and Telegraph Co- Saml. E. Bennett Bay State Clean Towel Co O. E. Dyson et al. David R. Hodges W. R. Dennis Howard D. Ebey Geo. W. Butler S. H. Caldwell A. J. Pistor W. E. Mowrer Wm. R. Fleming Jas. W. Davis M. O. Anderson Juo. McBirney Warner Worcester Thos. White N. L. Townsend. Robt. H. Treacy Nathl. B. Smith Hugh M. Rowe R. A. Ramsay Issae W. O'Rouvke	Sarrica
	Saml. E. Bennett	Use horse and buggy
	Bay State Clean Towel Co	Towel service
10	O. E. Dyson et al.	Salaries
	David R. Hodges	Services
	W. R. Dennis	do
	Howard D. Ebey	do
	Geo. W. Butler	00
	A I Dieton	do
	W E Mowrer	do
	Wm. R. Fleming	do
	Jas. W. Davis	do
	M. O. Anderson	do
	Jno. McBirney	do
	Warner Worcester	do
	Thos. White	do
	N. L. Townsend	do
	Noth B Smith	do
	Hugh M Rowe	do
	R. A. Ramsay	do
	Isaac W. O'Rourke	do
	Matt S. Lantz	do
	J. Otis Jacobs	do
	H.J. Hammond	do
	Nathl. B. Smith Hugh M. Rowe R. A. Ramsay Isaac W. O'Rourke Matt S. Lantz J. Otis Jacobs H. J. Hammond David C. Hanawalt Arthur R. Glaisyer Frank C. Eells Walter E. Howe Jno. J. Hayes Roy N. Drake Lowell Clarke Clinton H. Bugbee Geo. A. Bond Wilton F. Crewe Henry R. McNally Wm. Yenner A. J. Smithdo William Pflaeging Fredk. O. Pettey Thos. Redmond Chas. A. Brown Fredk. T. Dolan W. P. Ellenberger Willis B. Lincoln Murray J. Myers J. M. Turner Geo. S. Hickox E. A. de Schweinitz	do
	Frank C Falls	do
	Walter E. Howe	do
	Jno J. Haves	do
	Roy N. Drake	do
	Lowell Clarke	do
	Clinton H. Bugbee	do
	Geo. A. Bond	do
	Wilton F. Crewe	do
	Henry R. McNally	do
	W. III. Yenner	do
	do.	Traveling expenses
	William Pflacging	Services
	Fredk. O. Pettey	do
	Thos. Redmond	do
	Chas. A. Brown	do
	Fredk. T. Dolan	do
	W.P. Ellenberger	do
	Willis B. Lincoln	do
	I M Tuppon	do
	Geo S Hickox	do
	E A de Schweinitz	Expenses
	The M. Lindsay Rubber Co.	Hose
	Geo. S. Hickox E. A. de Schweinitz The M. Lindsay Rubber Co Z. D. Gilman	Paraffin, etc
- 11	W. E. Hill Wm. Thompson et al Jas. S. Kelly et al W. S. Cass et al	Services
	Wm. Thompson et al	Salaries
		7

# $Expenditures of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30, 1903-{\tt Cont'd.}$

te.	Name.	Nature of payment.	То
)2.	,		
. 11	Wesley N. Neil et al. Geo. S. Baker et al. Frank D. Ketchum et al. Trojan A. Shipley et al. O. B. Hess et al. Neils C. Sorensen et al. W. H. Gibbs et al. Chas. Keane et al. A. B. Morse et al. Chas. H. Zink et al. U. G. Houck et al.	Salaries	\$
	Geo. S. Baker et al	do	
	Troign A Shipley et al	do	
	O B Hess et al	do	1,
	Neils C. Sorensen et al	do	1.5
	W. H. Gibbs et al	do	1,0
	Chas. Keane et al	do	4
	A. B. Morse et al	do	1,0
	Chas. H. Zink et al	do	1,6
	Chas. H. Zink et al U. G. Houck et al R. P. Andrews & Co D. P. Collins. S. R. Burch Geo. E. Howard & Co J. B. Williamson, jr	do	1,6 2,8
	R. P. Andrews & Co	Printing envelopes	-
	S P Purch	Tuo voling ovnonces	1
13	Geo E Howard & Co	Labels	8
10	J. B. Williamson, ir	Meal.etc	9
14	S. R. Burch Geo. E. Howard & Co J. B. Williamson, jr Lamb & Tilden Elizabeth Wilson et al Richd W. Tuck et al E. N. Hutchinson et al	Ink	10,0
	Elizabeth Wilson et al	Tract of land	10,0
16	Richd. W. Tuck et al	Salaries	4
	E. N. Hutchinson et al.	do	- 4
	Jas. J. Brougham et al.	do	1,
	A. R. Wake et al	do	1,
	D. C. Aver et al	do	1, 2 1, 1 7, 4 3, 8
	Jas. J. Brougham et al. A. R. Wake et al. A. G. G. Richardson et al. D. C. Ayer et al. J. C. Milnes et al. David C. Hanawalt H. D. Mayne	do	0,0
	David C. Hanawalt	Traveling expenses	= 3
	H.D. Mayne	do	
	C. L. Morin	do	
	F. M. Perry Allen A. Holcombe Hervey T. Potter E. L. Volgenau	do	
	Allen A. Holcombe	do	
	Hervey T. Potter	do	
	E. L. Volgenau	Expanses	
	Joshua Miller W. B. Niles	Expenses Traveling expenses	
	Chas Cowie	do	
	Chas. Cowie Chas. W. Barnhart C. H. Zink E. T. Davison	do do	
	C. H. Zink	do	
	E. T. Davison	Expenses	
	H. A. Hedrick	do	
	Ephraim Dietrich	do	
	W. H. Rose	do	
	E. I. Davison H. A. Hedrick Ephraim Dietrich W. H. Rose Hiram Jerome Henry N. Waller Boyd Baldwin Linus E. Sargent M. O. Serome	do	
	Royd Baldwin	do	
	Linus E. Sargent	do	
	Jos. M. Good	do	
	Jas. J. Brougham The Real Estate and Improvement Co	Use horse and buggy	
	The Real Estate and Improvement Co	Rent of land Use horse and buggy	
	Chas, A. Schauffer	Use horse and buggy	1
	Chodwick Convince Book Co	Bronze Books	
	Chas, A. Schaufler Geo, Meier & Co Chadwick Copying Book Co Dennison Manufacturing Co		
	Dennison Manufacturing Co Chicago Car Seal and Manufacturing Co Sharp & Smith Andrew M. Soule D. Frank Parker Lillie M. Crowell Estelle G. Davis Bessie D. Ogden W. I. Konnedy	Seals	
	Sharp & Smith	Retractor	
	Andrew M. Soule	Manuscript	7
	D. Frank Parker	Paper	
	Lillie M. Crowell	Services	
	Estelle G. Davis	do	
	Bessie D. Ogden	do	-
	W. J. Kennedy G. W. Ward F. L. Russell	do	]
	F. I. Russall	do	i
	Chas Cowie	do	i
17	Chas. Cowie R. Carter Ballantyne Jas. B. Lambie	Pens, etc	
	Jas. B. Lambie	Pens, etc Belting, etc	
	Jas. B. Lambie E. Morrison Paper Co Thos. Somerville & Sons Clarence Loveberry et al Rott. Darling et al Albert E. Behnke Frank E. Pollitt St. Louis National Stock Yards. Thos. A. Bray	Paper Metal Salaries	, 1
	Thos. Somerville & Sons	Metal	
18	Clarence Loveberry et al	Salaries	6
	Robt. Darling et al	do	]
	Albert E. Bennke	Expenses Services Office rent	
	St Louis National Stock Vards	Office rent	
	Thos. A. Bray	Use horse and buggy	
	The Cincinnati Union Stock Yards. The Bell Telephone Co. Nathan K. Fegley	Office rent	
	The Bell Telephone Co	Office rent	
	Nathan K. Fegley	Expenses Use horse and buggy office rent	
	Russell G. Merrill Pehr Ehrenheim	Use horse and buggy	
	Decement C Messail	do	

Date.	Name.	Nature of payment.	Total.
1902.			
et. 18	New Telephone Co Armstrong Steam Laundry Belt R. R. and Stock Yard Co	Service Towel service	\$20.
	Armstrong Steam Laundry	Towel service	1. 30.
	Belt R. R. and Stock Yard Co	Office rent Use horse and buggy	30.
		Use horse and buggy	25. 10.
	Chas, Realie Sunset Telephone and Telegraph Co Iowa Telephone Co The Sioux City Stock Yards Co	Servicedo	10.
	Iowa Telephone Co	do	12.
	The Sioux City Stock Yards Co	Office rent	60.
	Wounded Plenty Relation S. J. Moore Running Hawk	Mare	10.
	Plenty Relation	do	10.
	S.J. Moore	Stallion and mare	12.
	Running Hawk	Stallion and mare	40.
	Little Killer W. A. Widney W. B. Gillett	mare	10.
	W. A. Widney	do	32.
	W.B. Gillett	do	10.
	W. B. Gillett Hattie Broadus St. Joseph Stock Yards Co St. Joseph Coal Co T. O. Strong Missouri and Kansas Telephone Co Boston Ice Co Metropolitan Coal Co Fred C. Houtwell	Office rent	12. 135.
	St. Joseph Stock Yards Co	Omce rent	155.
	St. Joseph Coal Co.	Ice Typewriter ribbon	4.
	Missanni and Kanasa Malankana Ca	Typewriter ribbon	2. 12.
	Prostor Inc. Co.	Service	12.
	Motvopolitan Cool Co	Coal	3. 7.
	Fred. C. Hartwell	Dogto etc	5.
	Albert F Pobrice	Posts, etc Use horse, etc	35.
	Nobreaka Telephone Co	Couries	50. 19
	Albert E. Behnke.  Nebraska Telephone Co- Frontier Towel Supply Co-	Service Towel service	13. 18.
	Jee W Devic	Use horse, etc.	18.
	Clynn & Smith	Drawago	10.
	Jas. W. Davis Glynn & Smith R. W. Burrell	Drayage Services	4. 37.
•	do	Pipe, etc	12.
	Goo A Myors & Co	Paper	16.
	Geo. A. Myers & Co The Consumers Co Union Stock Yards and Transit Co	Drinking water	3.
	Union Stock Vards and Transit Co	Drinking water Coal Rent of office	9.
	do	Rent of office	375.
	Gahan & Byrne	do	675.
	Chicago Towel Supply Co	Towel services	131.
	A. P. Little	Blotters	1.
	Chicago Telephone Co	Service	43.
	do Gahan & Byrne Chicago Towel Supply Co A. P. Little. Chicago Telephone Co Stock Yard Paint Co S. W. Burt Hibbard, Spencer, Bartlett & Co Iowa Telephone Co E. L. Coleman A. G. G. Richardson Cutler & Neilson Paint and Color Co G. W. Tourtellot	Tacks, etc. Use horse, etc.	1.
	S. W. Burt	Use horse, etc	25.
	Hibbard, Spencer, Bartlett & Co	Clippers	4.
	Iowa Telephone Co	Service	4.
	E. L. Coleman	Office rent Expenses	12. 3.
	A. G. G. Richardson	Expenses	3.
	Cutler & Neilson Paint and Color Co	Oil, etc Office rent	8.
	G. W. Tourtellot	Office rent	45.
	People's Ice and Fuel Co	Ice Towel service	2. 8.
	Martin Laundry and Towel Co	Towel service	8.
	Armour Packing Co	Service	4.
	Mendenhall Transfer Co	Drayage Service Cylinder, etc.	2.
	Missouri and Kansas Telephone Co	Service	16.
	Wagner Typewriter Co	Cylinder, etc.	5
	New York and New Jersey Telephone Co.	Service	11
	Cutler & Neilson Paint and Color Co G. W. Tourtellot People's Ice and Fuel Co Martin Laundry and Towel Co Armour Packing Co Mendenhall Transfer Co Missouri and Kansas Telephone Co Wagner Typewriter Co New York and New Jersey Telephone Co Weehawken Stock Yard Co Wm. Lochte F. P. Shea	Horseshoeing	2.
	W.H. Locate	Horsesnoeing	10
20	F. P. Shea Fredk, O. Pettey Fredk, T. Dolan L. A. Robinson	Cattle	120.
20	Fredz T Dolon	Traveling expenses	23 15 2
	I. A Pobinson	do	15.
	Jno. P. O'Leary Bernhard P. Wende Geo. W. Pope A. G. G. Richardson Saml. E. Bennett Lyo. A. B.	do	1.
	Pornhaud P. Wondo	00	4
	Goo W Popo	do	5
	A G G Richardson	do	16
	Saml E Bannett	do	20
	Jno A Bell	do	93
	Jno. A. Bell Louis K. Green	do	23.
	Wm. H. Skinner	do	9.
	Wm, C. Honan	do	20
	Wm. H. Skinner Wm. C. Honan A. H. Wallace A. J. Pistor	do	20 17 12
	A. J. Pistor	do	12
	Geo. C. Moser	do	8.
	A. J. Pistor Geo. C. Moser Wm. G. Shaw Geo. S. Baker Edw. P. Schaffter Thos. J. Turner T. A. Shipley Geo. S. Hickox A. G. G. Richardson C. H. Zink A. G. G. Richardson Geo. W. Pope	do	17
	Geo. S. Baker	do	5.
	Edw. P. Schaffter	do	5.
	Thos. J. Turner	Expenses	5.
	T. A. Shipley	do	10
	Geo. S. Hickox	do	10.
	A. G. G. Richardson	do	8
	C. H. Zink	do	150
	A. G. G. Richardson	do	9
	Geo. W. Pope	do	4

Date.	Name.	Nature of payment.	To
1902.	,		
et. 20	Chas. M. Day Saml. E. Bennett do Jino. Forbes Geo. C. Faville Jas. J. Brougham	Expenses	
	Sami. E. Bennett	do	
	Ino Forbes	do	
	Geo. C. Faville	do	
	Jas. J. Brougham	do	
	Albert Dean Don. C. Ayer Jno. B. Sine Jno. C. Lorenzen	do	
	Don. C. Ayer	Use horse	
	Jno C Lorenzen	do	
	O. E. DVSOII	Use norse	
	Robt. Darling C. H. Polk	Use horse and buggy	
	Jno. Forbes	Keep of horse, etc	
	Jno. For bes Chas. Hacker Geo. E. Howard & Co. The Kansas City Stock Yards Co. Rudolph, West & Co. W. M. Galt & Co. Steelberg's National Jewelry Co. Bourbon Stock Yard Co. The Friedenwald Co. Fig. P. Steed on	Keep of horse, etc Use horse and buggy Labels Office rent	8
	The Kansas City Stock Yards Co.	Office rent	
21 22	Rudolph, West & Co	Saw, etc	
22	W. M. Galt & Co	Oats	
	Castelberg's National Jewelry Co	Clock	
	The Friedenweld Co	Office rent Certificates	
	Rice P. Steddom	Expenses	
	Rice P. Steddom Louis K. Green	Expensesdo	
	Wm Thompson	do	
	T. T. Davison Clarence A. Clawson Geo. E. Totten Geo. W. Browning	do "	
	Clarence A. Clawson	Traveling expenses	
	Geo. W. Browning	do	
	W. L. Johnson	do	
	Peter I. Kershner	do	
	W. L. Johnson Peter I. Kershner Geo. C. Faville W. S. Cass L. Enos Day Chas. A. Brown Walter E. Howe	do	
	W. S. Cass	do	
	Chas A Brown	do	
	Walter E. Howe	do	
23	Albert Dean	do	
	Louis A. Klein	do	
	Walter E. Howe Albert Dean Louis A. Klein Thos. Castor Wm. F. Pflaeging Geo. W. Ward Jno. A. Bell Geo. W. Butler W. B. Niles Lulius Huelsen	do	
	Geo W Ward	do	
	Jno. A. Bell	Services	
	Geo. W. Butler	Expenses	
	W. B. Niles	do	
	W. B. Mies Julius Huelsen Chas. R. Edmonston E. Morrison Paper Co. Woodward & Lothrop Warren Worcester Nathanl. B. Smith B. Graham	Grinding machine	
	E Morrison Paper Co	Cards	
	Woodward & Lothron	Sapolio, etc	
24	Warren Worcester	Sapolio, etc Traveling expenses	
	Nathanl. B. Smith	do	
	B. Graham Albert N. Irwin Harry L. McDonald do	do	
	Hammy I. McDoneld	Traveling expenses August	
	do	Traveling expenses, August Traveling expenses, September Towels Traveling expenses	
	The Fowler Manufacturing Co	Towels	
	J. F. Ryder W. H. Wray	Traveling expenses	
	W. H. Wray	Services	0
	Cavalina Promoby	Services	3
	Toole A Geddes	do	1
	do Caroline Burnaby Tooie A. Geddes J. F. Ryder Kehoe Livery and Trucking Co	do	1
	Kehoe Livery and Trucking Co		
	Muzzy Bros	Rye, etc.	
	R. P. Andrews & Co. (Incorporated)	Paper	
	Wyckoff Soomens & Renedict	Panar	
	Kehoe Livery and Trucking Co Muzzy Bros R. P. Andrews & Co. (Incorporated) National Mortar Co Wyckoff, Seamans & Benedict Lutz & Co Boaz Cheese Factory	Paper Cement Paper Graphite, etc	
	Lutz & Co. Boaz Cheese Factory J. B. Gilbert & Co.	Cheese	- 1
	H. J. Noves	do	
	H. J. Noyes P. H. Kasper The Union Cheese Co	do	
25	The Union Cheese Co. F. M. Cann New York Telephone Co. R. J. Richardson & Co. Merchants' Refrigerating Co. of New York A. B. Hargrave W. C. Dunham & Co. Triumph Dairy Co. Miller Lock Co.	Care of mares	
(41)	New York Telephone Co	Service	1
	R. J. Richardson & Co	Cheese	13
	Merchants' Refrigerating Co. of New York	Storage	10
	W.C. Dunham & Co	Cneese	2
	Triumph Dairy Co	do	13
	TITULE DULL & CO		1.

Date.	Name.	Nature of payment.	Total.
1902.			
Oct. 25	Whithall, Tatum Co.	Bottles	\$13. 10.
	Eimer & Amend	Trovaling arranges	10. 83.
	Eimer & Amend David C. Hanawalt Jno. McBirney	do	76
	Jno. McBirney Wilton F. Crewe Thos. White H. M. Rowe Wm. Yenner Clinton H. Bugbee J. Otts Jacobs F. T. Dayison	do	76. 30. 18.
	Thos. White	do	18.
	H. M. Rowe	do	9.1
	Wm. Yenner	do	25. 115. 106.
	I Otic Jacobs	do	106
	E. T. Davison	do	90.
	Jos. B. Clancy	do	13. 135.
	Jos. B. Clancy Tooie A. Geddes M. W. Lang Levi Wells	do	135.
27	M. W. Lang	do	76. 69.
28	Geo. S. Hickox	do	49.
	Geo. S. Hickox H. J. Hammond	do	116.
	N. I. Towsend	do	54.
	Frank C. Eells Lowell Clarke Robt, A. Treacy	do	52. 92.
	Lowell Clarke	do	92. 48.
	J. J. Haves	do	71
	David R. Hodges	do	59.
	Lowell Clarke Robt. A. Treacy J. J. Hayes David R. Hodges A. J. Smith Roy N. Drake Howard D. Ebey Thos. Redmond E. J. Foreman Harry D. Paxson Jos. W. Parker F. L. Russell Chas. M. Day Rice P. Steddom Ernest N. Hutchinson New York Telephone Co E. Faber Leslie J. Allen Henry R. McNally Louis Metsker Dan McCunningham W. A. Willard Willis B. Lincoln R. A. Ramsay T. B. Craeroft E. C. Schroeder U. G. Houck Albert J. Payne O. E. Dyson Chas. A. Schauffer American Tag Co	do	59. 73. 60.
	Roy N. Drake	do	60.
	Howard D. Ebey	do	55.
	E. I. Foreman	do	92. 14.
,	Harry D. Paxson	do	26.
	Jos. W. Parker	do	29.
	F. L. Russell	do	46.
	Chas, M. Day	do	27.
	Fract V Hutchinson	Fynances	46.
	New York Telephone Co	Service	46. 19.
	E. Faber	Pencils, etc	200.
29	Leslie J. Allen	Traveling expenses	51.
	Henry R. McNally	do	77. 71.
	Louis Metsker	do	67.
	W A Willard	do	59.
	Willis B. Lincoln	do	47.
	R. A. Ramsay	do	47. 75.
	T. B. Craeroft	do	86.
	E. C. Schroeder	Expenses	8. 18.
	Albert I Payne	do	14.
	O. E. Dyson	do	34.
	Chas. A. Schauffer American Tag Co Geo. E. Howard & Co	do	34. 37. 132.
	American Tag Co	Tags	132.
	Geo. E. Howard & Co.	Labels Papering room Chemicalsdo	800
	W. B. Moses & Sons	Chamicals	9. 22. 17. 19.
	Mackall Brosdo _Barber & Ross	do	17
	Barber & Ross.		19.
	do Jas. N. Rupp A. Hannibal Holzmark Furniture Co	Tacks	2. 6.
	Jas. N. Rupp	Ink	6.
	A. Hannibal	Casters	30.
30	I W.O'Rourke	Stool Traveling expenses	4. 111
00	Murray J. Myers	do	111. 54.
	E. T. Davison et al	Salaries	466.
31	Marion Dorset et al	do	4,660.
v. 1	W.D. Collyer	Services	200. 125.
	B F Van Valkenburgh	do	125. 150.
	M. W. Lang	do	125.
	F. W. Bicknell	do	200.
	Holzmark Furniture Co I. W. O'Rourke Murray J. Myers E. T. Davison et al Marion Dorset et al W. D. Collyer Levi Wells B. F. Van Valkenburgh M. W. Lang F. W. Bicknell W. P. Ellenberger W. D. Jorden A. D. Melvin M. S. Lantz	Traveling expenses	109.
	W.D.Jorden	do	78.
	M.S.Lantz	do	78. 87. 93.
	Bausch & Lomb Ontical Co	Tubes, etc Thermometers Mare and colt	36
	Queen & Co. (Incorporated)	Thermometers	7.
	Hurry Little Tail	Mare and colt	7. 35.
	A. D. Melvin M. S. Lantz. Bausch & Lomb Optical Co. Queen & Co. (Incorporated) Hurry Little Tail Jas. K. DeWolf He Dog Juo Slow Bear	Mare Stallion and mare	15.
	He Dog	Stallion and mare	40.
	ALID CIDA DEST		15.
	Jno. Slow Bear Joe Adams	Stallion	20.

 $Expenditures of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1903-{\tt Cont'd}.$ 

1902. ov. 1			
	Eimer & Amend M. G. Copeland Co. Geo. E. Howard & Co. A. Wilson & Bro. Edwd. S. Schmid United States Envelope Co. Geo. F. Thompson	Rubber band, etc	\$4
3	M. G. Copeland Co	Ensign Labels Hauling coal	800
	Geo. E. Howard & Co	Labels	800
	A. Wilson & Bro	Hauling coal	14
	Edwd. S. Schmid	Rats	
	United States Envelope Co	Envelopes Traveling expensesdo Electric current.	39
	Geo. F. Thompson	Traveling expenses	38
	E. N. Hutchinson	do	3'
4	E. N. Hutchinson United States Electric Lighting Co	Electric current	48
			43
	Washington Gaslight Co	Gas	45
	-m-do	ao	4
	The Geo. W. Knox Express Co Thos. Castor	Transportation	11' 11'
	Thos. Castor	Services	117
	Harvey D. Paxson	do	117
	A II Wallage	00	117
	A. fl. Wallace		11' 11' 11'
	Clarence A Clarecon	do	10
	W C Show	do	10.
	Loglio I Allon	do	117
	Geo W Browning	do	10: 11' 11' 11'
	Horry B Adoir	do	11/
	Jos W Parker	do	11
	Washington Gaslight Co. do The Geo. W. Knox Express Co Thos. Castor Harvey D. Paxson. Louis Metsker A. H. Wallace Geo. E. Totten Clarence A. Clawson W. G. Shaw Leslie J. Allen Geo. W. Browning Harry B. Adair Jos. W. Parker Thos. A. Bray. Harry L. McDonald Albert N. Irwin Wm. D. Jorden Louis E. Klein Ernest J. Foreman Western L. Johnson. Peter I. Kirshner Dan. McCunningham Patrick Dorsey Harry F. Hume Albert Doan et al. Samuel E. Bennett et al Julius Huelsen et al. Nathan K. Fegley et al. H. A. Hedrick et al Wm. Krafft Chicago Car Seal and Manufacturing Co Chas. Lentz & Sons. Church & Stephenson R. P. Andrews & Co. (Incorporated) Granville H. Parks W. H. Wade Allen A. Holombe Jas. Irwin H. D. Mayne E. L. Valgenau C. L. Morin D. Cumming U. G. Houck Harvey N. Waller et al Jos. S. Kelly et al Edwd. P. Dowd et al Fred. Bradinton et al Lewis R. Baker et al A. E. Behnke et al Fred. Bradinton et al Lewis R. Baker et al A. E. Behnke et al E. P. Schaffter et al Z. D. Gilman The Freidenwald Co A. J. Pistor Geo. W. Butler W. P. Ellenberger Murray J. Myers Jos. M. Turner Fredk. T. Dolan Willis B. Lincoln Henry E. Alvord Jos. B. Clarcy et al Wesley N. Neil et al	do	11' 11' 11'
	Harry L. McDonald	do	7
	Albert N. Irwin	do	10 10
	Wm D Jorden	do	10
	Louis E Klein	do	10
	Ernest J. Foreman	do	10
	Western L. Johnson	do	10
	Peter I. Kirshner	do	10 11
	Dan, McCunningham	do	10
	Patrick Dorsey	do	40
	Harry F. Hume	do	6
	Albert Dean et al	Salaries	60
	Samuel E. Bennett et al	do	2,73
	Julius Huelsen et al	do	673
	Nathan K. Feglev et al.	do	673 25
	H. A. Hedrick et al	do	473
5	Wm. Krafft	Customs duties	16
	Chicago Car Seal and Manufacturing Co	Car seals	16
	Chas. Lentz & Sons	Knife	
	Church & Stephenson	Lumber	474
	R. P. Andrews & Co. (Incorporated)	Pencils	10
	Granville H. Parks	Services	13
	W.H. Wade	do	77 11' 84
	Allen A. Holcombe	do	11
	Jas. irwin	a	10
	E. I. Volgenou	do	10
	C. I. Wangenau	do	10
	D. Cumming	do	11 10 9:
	II G Honek	do	12
	Harvay N Waller at al	Salarice	2.89
	Albert J. Payne et al	do	13 2,820 1,040
	Boyd Baldwin et al	do	625
	Jos. S. Kelly et al	do	628
	Edwd. P. Dowd et al.	do	17
	F. L. De Wolf et al.	do	23
	W.J. Murphy et al	do	173
	Fredk, Bradinton et al	do	173
	Chas. A. Schaufler et al	do	177 977
	Richd. J. Blanche et al.	do	173
	Lewis R. Baker et al.	do	1,02
	A. E. Behnke et al	do	173 1,02 1,20
	E. P. Schaffter et al	do	61
6	Z.D. Gilman	Ether, etc	49
	The Freidenwald Co	Stamps	519
	A.J. Pistor	Services	519 519 117 117 117 100
	Geo. W. Butler	do	117
	W. P. Ellenberger	do	117
	Murray_J. Myers	do	10
	Jos. M. Turner	do	77 117 117 157
	Fredk, T. Dolan	do	117
	Willis B. Lincoln	do	117
7	Henry E. Alvord	Traveling expenses	15
	Jos. B. Clancy et al	Salaries	3, 103 1, 800
	C. H. Zink et al	do	$\frac{1,800}{178}$

	Geo. C. Faville et al. Don C. Ayer et al Jon. Forbes et al Jas. J. Brougham et al Jas. J. Brougham et al W. H. Rose et al Geo. W. Pope et al Fredk. W. Ainsworth et al Trajan A. Shipley et al Wm. Thompson et al Geo. Dit wije et al Wm. Thompson et al Geo. Dit wije et al Joshua Miller et al Louis K. Green et al Joshua Miller et al Louis K. Green et al Jos M. Good et al F. W. Huntington et al Rice P. Steddom et al W. H. Gibbs et al W. H. Gibbs et al W. B. Niles et al Jos. Fleming et al O. E. Dyson at al Jon. W. Burton et al Rice P. Stewart et al Fredk. W. Ainsworth Boyd Baldwin D. E. Salmon F. M. Perry Rice P. Steddom E. L. Volgenau Matthias S. Lantz Lowell Clarke N. L. Townsend H. J. Hammond Walter E. Howe Robt. M. Treacy Geo. A. Bond Frank C. Eells M. O. Anderson Hugh M. Rowe Wm. R. Fleming Wilton F. Crewe David C. Hanawalt Fredk. O'Pettey Clinton H. Bugbee Chas. A. Brown W. R. Dennis Nathl. B. Smith Jno. J. Hayes Thos. Redmond I. W. O'Rourke Howard D. Ebey Wm. Yenner Jno. McBirney Wm. Pflaeging J. Otis Jacobs David R. Hodges Jas. W. Davis A. J. Smith Warren Worcester Henry R. MeNally Wm. E. Mowrer Thos. White R. A. Ramsay Arthur A. Glaisyer Geo. S. Hickox Jno. A. Bell The Anderson Lumber Co H. W. Mills & Co	Nature of payment.	To
-			
	Geo. C. Faville et al	Salaries	S
	Don C. Ayer et al	do	3, 2,
	Jno. For bes et al	do	2,
	Jas. J. Brougham et al.	do	î, 1,
	W. H. Rose et al.	do	1,
	Enody W. Ainemouth et al	00	
	Train A Shiplay at al	do	1,
	Wm Thompson et al	do	1.
	Geo. Ditewig et al	do	-,
	Joshua Miller et al	do	
	Louis K. Green et al	do	
	Jos. M. Good et al.	do	
	F. W. Huntington et al	do	1
	W. H. Cibba et al	00	
	W.H. GIDDS et al	do	
	Jas Fleming et al	do	1,
	O E Dyson at al	do	8,
	Jno. W. Burton et al	do	2.
1	Walter J. Stewart et al	do	2, 5,
	Fredk. W. Ainsworth	Expenses	
	Boyd Baldwin	do	
	D. E. Salmon	Traveling expenses	
i	F. M. Perry	do	
	Rice P. Steddom	00	
	Matthias S. Lantz	Sarriage	
	Lowell Clarke	do	
	N L Townsend	do	
	H.J. Hammond	do	
	Walter E. Howe	do	
	Robt. M. Treacy.	do	
	Geo. A. Bond	do	
	Frank C. Eells	do	
	M.O. Anderson	do	
	Hugh M. Rowe	do	
	Wm. R. Fleming	do	
	David C Honowelt	00 do	
	Fredk O'Pottov	do	
	Clinton H. Bugbee	do	
	Chas, A. Brown	do	
	W. R. Dennis	do	
	Nathl. B. Smith	do	
	Jno. J. Hayes	do	
	Thos. Redmond	do	
	I. W. O'ROUFKE	00	
	Wm Vonnou	00	
	Jno McBirney	do	
	Wm. Pflaeging	do	
	J. Otis Jacobs	do	
	David R. Hodges	do	
	Jas. W. Davis	do	
	A. J. Smith	do	
	Warren Worcester	do	
	Henry R. McNally	do	
	W.H. E. MOWPer	do	
	R A Remean	do	
	Arthur A Glaisver	do	
	Geo S Hickox	do	
	Jno. A. Bell	do	
	Jno. A. Bell The Anderson Lumber Co. H. W. Mills & Co	Lumber	
	H. W. Mills & Co	Lumber Chain, etc	
	Jno. Van Winkle Geo. E. Howard & Co R. L. Cooper Wm. M. Galt & Co	Mare	
	Geo. E. Howard & Co.	Labels	
	K. L. Cooper	Use horse and buggy	
	W.H. M. Galt & Co	Oats Refrigerating closets Shoeing horses Cedarine	
	Ernest Betz Wm. Lochte	Shooing horses	
		Cadarina	
	Chas. Hubinger		
	Chas. Hacker	Use horse, etc	
	Chas. Hubinger	Use horse, etc Nails, etc Use horse, etc	
	THE C. C.	Use horse, etc	

 $Expenditures of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30, 1903-{\bf Cont'd}.$ 

te.	Name.	Nature of payment.	Tota
02.	·		
. 8	E. J. Brooks & Co	Seals	0
	E. J. Brooks & Co F. D. Ketchum R. J. Richardson & Co Russell G. Merrill	Seals Use horse, etc	\$ 20 1:
	R. J. Richardson & Co.	Cheese	20
	Russell G. Merrill	Cheese Use horse, etc	1
	A. E. Behnke Jno. J. Brougham. La Crosse Cheese and Butter Co	do	3
	Jno. J. Brougham	do	3
	La Crosse Cheese and Butter Co	Cheese	18
	I.S. R. Denreece	Corn	1.
	Don C. Ayer A. H. Baker & Co	Use horse, etc Cheese	1. 22
	A. H. Baker & Co	Cheese	22
	A. S. Chandler E. Sudendorf Jas. W. Davis Pehr Ehrenhiem	Calf	2
	E. Sudendori	Butter	49
	Jas. W. Davis	Use horse, etc Office rent	1.3
10	Wolf Bros	Unice rent	3
10	C M Direch Lumbon Co	T was box	91
	Geo A Monington	Lumber Tinning and slating	21 10
	Geo. A. Monington Campbell, Morrell & Co Falstrom & Tornquist Co James Radcliffe & Sons	Rrick	6
	Falstrom & Tornguist Co	Brick Plumbing material	170
	James Radcliffe & Sons	Iron cover, etc	170 3 12
	F. P. Shea	Hogs	12
	Thos. J. Turner et al	Salaries.	83 25 1,01
	Clarence Loveberry et al	do	25
	Frank D. Ketchum et al	do	1,01
	O.B. Hess et al.	do	19
	James Radcliffe & Sons F. P. Shea Thos. J. Turner et al Clarence Loveberry et al Frank D. Ketchum et al O. B. Hess et al Geo. S. Baker et al Henry P. Armsby et al E. N. Hutchinson et al A. R. Wake et al N. Sorensen et al W. S. Cass et al Arthur B. Morse et al W. E. Hill Danl R. Frost	do	19 42: 19
	Henry P. Armsby et al	do	19
	E. N. Hutchinson et al.		48
	Polet Devling et al	do	1,01
	N Sovenson et al	do	1,01 19 1,87
	W S Case at al	do	17
	Arthur B Morse et al	do	177
	W. E. Hill	Services	10
	Danl. R. Frost	do	1
	F. L. Russell	do	10 1' 14 11' 11'
	Geo. W. Ward	do	11
	F. M. Perry	do	11'
	W.E. IIII Danl R. Frost F. L. Russell Geo. W. Ward F. M. Perry Geo. M. Rommel	do	91
	E. A. de Schweinitz	Expenses	7,67
11	Geo. M. Kommel E. A. de Schweinitz A. G. G. Richardson et al. Chas Keane et al Houghton & Delano Mackall Bros R. Carter Ballantyne Dungan Stowart	Salaries	7,67
12	Unas. Keane et al	do	42
13	Modrall Prog	Films Carbolic acid, etc.	1/
	P. Cartar Ballantuna	Backate	11
	Duncan Stewart	Baskets Trayeling expenses	2
	Henry J Washburn	do	~~
17	Hervey T. Potter	Services	2
	Chas. Čowie	do	155
	W.J.Kennedy	do	100
	Ray N. Drake	do	152 100 117
	Richd. W. Tuck et al	Salaries	370
	J. C. Milnes et al	do	427
	R. Carter Ballantyne Duncan Stewart Henry J. Washburn Hervey T. Potter Chas. Cowie W. J. Kennedy Ray N. Drake Richd. W. Tuck et al J. C. Milnes et al Ernest N. Hutchinson Chas. M. Day Julius Huelsen E. C. Schroeder Thos. J. Turner W. H. Rose A. G. G. Richardson Geo. S. Baker Murray J. Myers Willis B. Lincoln U. G. Houck	Expenses	370 425 14 6
	Unas, M. Day	00	6
	E C Schrooder	do	- 11
	The I Turner	do	
	W H Rose	do	
	A G G Richardson	do	15
	Geo S Baker	Traveling expenses	1
	Murray J. Myers	do	118 46
	Willis B. Lincoln	do	40
	U. G. Houck	do	- 80
	Geo. W. Pope	do	,
	Fredk, T. Dolan	do	
	Ernest N. Hutchinson	do	38
	W.D. Collyer	do	1
	Allen A. Holcombe	do	36
	Albert N. Luwin	do	9/
	Chas Cowio	do	10
	F. I. Puscall	do	19 50
	W D Collyer	do	8
	F. W Bicknell	do	468
	C. L. Morin	do	12
	Willis B. Lincoln U. G. Houck Geo. W. Pope Fredk. T. Dolan Ernest N. Hutchinson W. D. Collyer Allen A. Holcombe Peter I. Kershner Albert N. Irwin Chas. Cowie F. L. Russell W. D. Collyer F. W. Bicknell C. L. Morin H. D. Mayne T. Byron Cracraft Wm. C. Honan	do	13 24
	T. Byron Cracraft	do	ç
		do	21

# $\textbf{\textit{Expenditures of Department of Agriculture for year ending June 30, 1903} \textbf{--} \textbf{Cont'd.}$

Date.	Name.	Nature of payment.	Total.
1902.			
Nov. 17	W. B. Niles Arthur R. Glaisyer Chas. F. Flocken	Expenses	\$24. 15.
	Arthur R. Glaisyer	Traveling expenses	15.
	Chas. F. Flocken	do Rubber tape Hammers, etc	13. 2. 4. 7.
	M. Du Perow Jas. B. Lambie Woodward & Lothrop The J. C. Ergood Co Edw. S. Schmid	Hammers etc	4
	Woodward & Lothrop	Buckets	7.
	The J. C. Ergood Co	Brooms	
	Edw. S. Schmid	Feed Mice Linoleum, etc Use horse and buggy	14. 2.
	Edw. S. Schmiddo	Mice	2.
	Ino B Sine	Use horse and burger	86. 35.
	O. E. Dyson	dodo	25.
	Jno. C. Lorenzen	do	33.
	Jno. C. Lorenzen. Chas. Keane S. W. Burt R. J. O'Brien S. M. Birch Lumber Co C. H. Polk Wm. E. Phillips The Friedenwald Co The Anderson Lumber Cododods. Chandler W. M. Breshner J. I. Holeombe Manufacture Co Peter Van Splinter St. Louis National Stock Yards F. H. Black A. & H. E. Cook The Anderson Lumber Co Robt. Darling Wm. M. Galt & Co Northern Pacific Rwy. Codododododo	do	25.
	S. W. Burt	do	25.
	C. M. Pinch I umbon Co	Uats, etc	45. 40.
1	C H Polk	Shoats	32.
	Wm. E. Phillips	Service	8.
	The Friedenwald Co	Certificates	8. 90.
	The Anderson Lumber Co	Lumber	46
	do	do	38. 23. 25.
	A. S. Chandler	Vali	25.
	J. I. Holcombe Wanufacture Co.	Duster	6.
	Peter Van Splinter	Plastering	115.
	St. Louis National Stock Yards	Office rent	115. 50,
	F. H. Black	Mare	15.
	A. & H. E. Cook	Cheese	4. 33. 25.
	The Anderson Lumber Co	Cement	33.
	Wm M Galt & Co	Bran ate	251.
18	Northern Pacific Rwy Co	Passenger transportation	8.
	do	do	4.
	Pennsylvania R. R. Co	do	4. 49.
	Chicago, Milwaukee and St. Paul Rwy. Co.	do	5. 7.
	Chicago. St. Paul, Minneapolis and Omaha	do	7.0
	Cweet Northern Prov. Co.	do	2.9
	Pittsburg Cincinnati Chicago and St.	do	6.
	Louis Rwy. Co.		0.
	Pennsylvania R. R. Co Chicago, Milwaukee and St. Paul Rwy. Co. Chicago, St. Paul. Minneapolis and Omaha Rwy. Co. Great Northern Rwy. Co Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co. The Atchison, Topeka and Santa Fe Rwy.	do	30.
	Co.	a.	0
	Oregon Short Line R. R. Co	do	3. 10.
	Southern Rwy, Co	do	8.
19	J. F. Ryder	Traveling expenses	11
	David R. Hodges	do	46.
	Western L. Johnson	do	46. 31. 12.
	Laomer West	do	12.
	Chas M Day	do	28. 33. 37.
	Wm. G. Shaw	do	37.
	Co. Louisville and Nashville R. R. Co. Oregon Short Line R. R. Co. Southern Rwy. Co. J. F. Ryder. David R. Hodges Western L. Johnson. Laomer West Wm. E. Mowrer Chas. M. Day Wm. G. Shaw Chas. A. Brown Harry D. Paxson	do	
	Chas. A. Brown Harry D. Paxson Levi Wells Jno. McBirney Louis A. Klein Fredk. O. Pettey A. H. Wallace Jos. W. Parker	do	10. 33. 116. 17. 1. 27. 29.
	Levi Wells	do	116.
	Louis V Vloin	do	14.
	Fredk O Pettey	do	27.
	A. H. Wallace	do	29.
	Jos W Parker	do	15.
		do	21.
	Clarence A. Clawson		
	Clarence A. Clawson Howard D. Ebey	do	18.
	Clarence A. Clawson Howard D. Ebey W. H. Wray Geo W. Pope	do do rynenses	18. 7.
	Clarence A. Clawson Howard D. Ebey W. H. Wray Geo, W. Pope Wm. H. Wade	do Expenses	18. 7. 5.
	Clarence A. Clawson Howard D. Ebey W. H. Wray. Geo, W. Pope Wm. H. Wade Samuel E. Bennett	do do Expenses do do	18. 5. 7. 16.
	Clarence A. Clawson Howard D. Ebey W. H. Wray Geo. W. Pope Wm. H. Wade Samuel E. Bennett Geo. M. Rommel	do	18. 7. 5. 16.
	Clarence A. Clawson Howard D. Ebey W. H. Wray Geo, W. Pope Wm. H. Wade Samuel E. Bennett Geo, M. Rommel W. H. Wray	do	18. 7. 5. 16. 1.
	Clarence A. Clawson Howard D. Ebey W. H. Wray. Geo. W. Pope Wm. H. Wade Samuel E. Bennett Geo. M. Rommel W. H. Wray. J. F. Ryder	do do Expenses do do do Services	168.
	Howard D. Ebey W. H. Wray. Geo. W. Pope Wm. H. Wade Samuel E. Bennett Geo. M. Rommel W. H. Wray. J. F. Ryder Toole A. Geddes	do do Expenses do do do Services do	168.
	Howard D. Ebey W. H. Wray. Geo. W. Pope Wm. H. Wade Samuel E. Bennett Geo. M. Rommel W. H. Wray. J. F. Ryder Toole A. Geddes	do	168. 168.
	Howard D. Ebey W. H. Wray. Geo. W. Pope Wm. H. Wade Samuel E. Bennett Geo. M. Rommel W. H. Wray. J. F. Ryder Toole A. Geddes	do do services do	168. 168.
	Howard D. Ebey W. H. Wray. Geo. W. Pope Wm. H. Wade Samuel E. Bennett Geo. M. Rommel W. H. Wray. J. F. Ryder Toole A. Geddes	do do Expenses do do do do do do do do do Office rent Triplets	18. 7. 16. 16. 168. 168. 168. 168. 168. 168. 168. 168. 168. 168. 168.
	Howard D. Ebey W. H. Wray. Geo. W. Pope Wm. H. Wade Samuel E. Bennett Geo. M. Rommel W. H. Wray. J. F. Ryder Toole A. Geddes		168. 168.
	Howard D. Ebey W. H. Wray. Geo. W. Pope Wm. H. Wade Samuel E. Bennett Geo. M. Rommel W. H. Wray. J. F. Ryder Toole A. Geddes	do do Expenses do do do do do Services do do Toffice rent Triplets Mares Repairing rooms	168. 168.
20	Clarence A. Clawson Howard D. Ebey W. H. Wray. Geo. W. Pope Wm. H. Wade Samuel E. Bennett Geo. M. Rommel W. H. Wray J. F. Ryder Tooie A. Geddes W. H. Wray Caroline Burnaby Louisa Wells Bausch & Lomb Optical Co Plenty Horse Jacob Heil Dreamer E. G. Schafer & Co do	do do Expenses do Triplets Mares Repairing rooms Mare	168.

 $Expenditures of \ Department \ of \ Agriculture for year \ ending \ June \ 30, 1903-{\bf Cont'd.}$ 

ate.	Name.	Nature of payment.	Tota
902.	,		
v. 20	Geo. E. Howard & Co	Labels	\$800
	Pennsylvania Co	Passenger transportation	78
	Geo. E. Howard & Co. Pennsylvania Co. Arthur R. Glaisyer Wm. Yenner Wilton F. Crewe W. P. Ellenberger Robt. H. Treacy R. A. Ramsay Nathaniel B. Smith Warner Worcester H. M. Rowe Isaac W. O'Rourke	Traveling expenses	7
	Wm. Yenner	do	43
21	Wilton F. Crewe	do	5
	W.P. Ellenberger	do	6 5
	Robt. H. Treacy		10
	Nothanial B Smith	do	4
	Warner Worcester	do	6
	H. M. Rowe	do	6 8
	H. M. Kowe Isaac W. O'Rourke David C. Hanawalt M. W. Lang Thos. Redmond Granville H. Parks T. S. Buck Manufacturing Co. W. E. Pratt Morris Miller American Tea Co.	do	8
	David C. Hanawalt	do	6
	M. W. Lang	do	17
	Thos. Redmond	do	7
	Granville H. Parks	do	
	T. S. Buck Manufacturing Co	Rubber cement, etc	1
	Monnig Millon	Decementing house	4
	American Tea Co	Tage	22
	Geo. F. Muth & Co	Tags Kerosene oil, etc	1
	Rudolph, West & Co	Cattle tags	8
	American Ice Co	Ice	2
	Morris Miller American Tag Co Geo. F. Muth & Co Rudolph, West & Co American Ice Co W. T. Burrows Potomac Electric Power Co	Services	ĩ
	Potomac Electric Power Co Wm. Krafft Thos. Castor N. L. Townsend Ernest J. Foreman W. F. Pflaeging M. S. Lantz Walter E. Howe Dan. McCunningham Lowell Clarke Roy N. Drake Leslie J. Allen Louis Metsker	Electric current	4
22	Wm. Krafft	Cover slips	
	Thos. Castor	Traveling expenses	7
	N. L. Townsend	do	6
	Ernest J. Foreman	do	2 4
	W.F.Phaeging	do	4
	Welter F Howe	do	63
	Dan McCunningham	do	6
	Lowell Clarke	do	6
	Roy N. Drake	do	8
	Leslie J. Allen	do	4
	Louis Metsker	do	7
	Wm. D. Jorden	do	7
	Lesine J. Allen Louis Metisker Wm. D. Jorden R. W. Hickman Geo. S. Hickox W. R. Dennis do do	do	7 14
25	Geo. S. Hickox	do	7.
	W.R. Dennis	do	11 13
	do	do	13
	do	do	7
	Thee White	do	3
	Henry McNally	do	38
	Frank C. Eells	do	7
	Clinton H. Bugbee	do	11 11
	E. T. Davison	do	11
	G. W. Ward	do	3
	Tooie A. Geddes	do	23
	W. H. Wray	Expenses	2
	Toole A. Geddes	Contra of a	1:
	do Thos. White Henry McNally Frank C. Eells Clinton H. Bugbee E. T. Davison G. W. Ward Tooie A. Geddes W. H. Wray Tooie A. Geddes Mackall Bros F. J. Marley	Trun rook	3
26	S R Burch	Traveling expenses	12
28	The D. Henry Building Co	Building barns	16.38
140	F.P. Shea	Hogs	12
	Chas, Hubinger	Scrapers, etc.	12 2 11
	F. J. Marley S. R. Burch The D. Henry Building Co F. P. Shea Chas, Hubinger J. Otis Jacobs Geo. E. Howard & Co	Trap rock Traveling expenses Building barns Hogs Scrapers, etc Traveling expenses	11
29	Geo. E. Howard & Co	Labels	80
	do	do	80
	Marion Dorsett et al Chas. F. Flocken National Electrical Supply Co	Salaries Services	4,84
-	Chas. F. Flocken	Services	9
. 1	W. I. Kannada	Fan	10
	R F Van Velkanhurch	Servicesdo	150
	W D Collver	do	20
	Levi Wells	do	12
	M. W. Lang	do	12 12
2	National Electrical Supply Co W. J. Kennedy B. F. Van Valkenburgh W. D. Collyer Levi Wells M. W. Lang C. W. & R. M. Bowen Co	X-ray plates	1
	Jno. Hastie.	Corn	30
	The Beveridge Lumber Co.	Corn Posts	6
	Wolf Bros	Envelopes	4
	Jno. C. Parker	Ink	- 8
	Jno. Hastie The Beveridge Lumber Co Wolf Bros Jno. C. Parker E. T. Davison et al	Ink Salaries Traveling expenses	42
3			3
3	E. P. Dowd et al Lewis R. Baker et al	Salaries	173
	11.1.Dowa co ai	do	999

-	Name.	Nature of payment.
1		
	A. E. Behnke et al. Sam. E. Bennett et al.	Salaries
1	Sam. E. Bennett et al	do
7	H. A. Hedrick et al	do
1	Julius Huelsen et al	do
1	Edwd D Cahoffton et al	do
И	Rice P Steddom et al	do
1	Albert J. Payne et al	do
Ш	Albert Dean et al	do
	Jas. Irwin	Services
	Louis A. Klein	do
	Wm. D. Jorden	do
	Harry L. McDonald	do
	Albort N. Inverio	do
	Clarance C. Clawson	do
	Dan McCunningham	do
	Ernest J. Foreman	do
	W. L. Johnson	do
	A. E. Bennett et al H. A. Hedrick et al Julius Huelsen et al W. H. Rose et al Edwd. P. Schaffter et al Rice P. Steddom et al Albert J. Payne et al Albert Dean et al Jas. Irwin Louis A. Klein Wm. D. Jorden Harry L. McDonald Geo. C. Moser Albert N. Irwin Clarence C. Clawson Dan McCunningham Ernest J. Foreman W. L. Johnson Wm. G. Shaw Jos. W. Parker	do
	Jos. W. Parker	do
	Harry D. Paxson	do
	Leslie J. Allen	do
	Thos. A. Bray	do
	Harry D. Adair	do
	Will G. Shaw Jos. W. Parker Harry D. Paxson Leslie J. Allen Thos. A. Bray Harry D. Adair Peter I. Kershner Geo. E. Totten	do
	Louis Metsker	do
	Louis Metsker Arch. H. Wallace Thos. Castor Geo. W. Browning St. Louis and San Francisco R. R. Co. Fort Worth and Denver City Rwy. Co. Chicago, Milwaukee and St. Paul Rwy. Co.	do
	Thos. Castor	do
	Geo. W. Browning	do
	St. Louis and San Francisco R. R. Co	Passenger transportation
	Fort Worth and Denver City Rwy. Co	do
	Chicago, Milwaukee and St. Paul Rwy. Co.	do
	Chicago, St. Paul, Minneapolis and Omaha	do
	Rwy. Co.	3
	Pittsburg, Cincinnati, Chicago and St.	do
	Rwy. Co.  Missouri Lines of Chicago, Burlington and	a.
	do do Murray J. Myers W. P. Ellenberger W. P. Ellenberger Willis B. Lincoln J. M. Turner Fredk, T. Dolan	do
	Murray J. Myers	Services
	W.P. Ellenberger	do
	Willis B. Lincoln	do
	J. M. Turner	do
	Fredk. T. Dolan	do
	H.D. Mayne	,do
	C. L. Morin	00
	Allen A Heleembe	,-do
	Freder, T. Dolan H. D. Mayne C. L. Morin Ernest J. Volgenau Alleu A. Holcombe Geo. S. Hickox Nathaniel B. Smith A. J. Smith Hugh M. Boyne	do
	Nathaniel B. Smith	do
	A.J. Smith	do
	Hugh M. Rowe	do
	A. J. Pistor	do
	Isaac W. O'Rourke	do
	A.J. Smith Hugh M. Rowe A. J. Pistor Isaac W. O'Rourke Wm. E. Mowrer Henry R. McNally J. Otts Jacobs Walter E. Howe P. A. Pameay	do
	Henry R. McNally	do
	J. Otis Jacobs	do
	Walter E. Howe	do
	K. A. Kamsay	do
	The White	d0
	Robt H Tropey	ao
	N. L. Townsend	do
	Thos. Redmond	do
	Matthias S. Lantz	do
	John McBirney	do
	Fredk. O. Petty	do
	Geo. A. Bond	do
	Wilton F. Crewe	do
	Walter E. Howe R. A. Ramsay Warren Worcester Thos. White Robt. H. Treacy N. L. Townsend Thos. Redmond Matthias S. Lantz John McBirney Fredk. O. Petty Geo. A. Bond Wilton F. Crewe Clinton H. Bugbee W. R. Dennis Chas. A. Brown Lowell Clarke Roy N. Drake Howard D. Ebey Frank C. Eells Arthur R. Glaisyer Wm. Pflaeging	do
	W. R. Dennis	do
	Chas. A. Brown	do
	Lowell Clarke	do
	KOY N. Drake	do
	Humb C Fells	do
	CIALIS C. BAHS	do
	Author P. Clairman	A c

# $Expenditures of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1903--Cont'd.$

Ino I Haves		
Ino I Haves		
ono.o. may os	Services	9
Jno. J. Hayes David C. Hanawalt	do	
H.J. Hammond	00	Ų
Washington Gaslight Co	Gas	
Washington Gasight Co	Renairing typewriter	
Barber & Ross.	Nails, etc.	
Jno. Forbes et al	Salaries	3,
Harry N. Waller et al	do	2,
Chas. H. Zink et al	do	2, 1,
Geo. W. Pope et al	do	
Fuedly Preginton et al	do	
Geo Ditewig et al	do	
Nathan K. Feglev et al	do	
Joshua Miller et al	do	
Geo. C. Faville et al	do	
F. L. De Wolf et al.	do	
Wilber J. Murphy et al	do	
Jos. M. Good et al	0D	
W S Case of al	do	
Jas. S. Kelly et al	do	
Chas. A. Schaufler et al.	do	
Jos. B. Clancy et al	do	3,
W. H. Gibbs et al	do	3,
Richd. J. Blanche et al	do	
W. B. Niles et al	do	
Inos. J. Turner et al	do	- 1
F Auerbach Bros	Office rent	1,
Saml. E. Bennett	Use horse, etc.	
Wm, E. Phillips	Service	
Metropolitan Coal Co	Wood, etc	
J. W. Cleveland	Knobs, etc	
Peter Van Splinter	Repairing well	
Ed Colleins	Mare	
Chas Hacker	Use horse and buggy	
Russell G. Merrill	do	
W. S. Cass	do	
Jas. J. Brougham	do	
Geo. E. Howard & Co	Envelopes	
Don C Aver	do	
Jas. W. Davis	do	
The Friedenwald Co	Stamps	
	do	
Chicago Car Seal and Manufacturing Co	Seals and tags	
Armour & Co.	Soap	
F W Ricknell	Traveling expenses	
Geo. W. Butler	Services	
D. Cumming	do	
Jno. A. Bell	do	
F. W. Bicknell	do	
Andrew Hyde	Traveling expenses	
A. D. Melvin	G-1i	
Jas. Fleming et al	Salaries	9
O E Dyson et al	do	8
Walter J Stewart et al	do	2, 8, 5, 1,
Niels C. Sorensen et al.	do	1,
Richd. W. Tuck et al	do	
A. R. Wake et al	do	
Don. C. Ayer et al.	do	3,
A. G. G. Richardson et al	Exponence	3,
American Ice Co	Ice	
W. B. Moses & Sons	Indexes, etc	
Houghton & Delano	Seed plates, etc	
Yawman & Erbe Manufacturing Co	Cases	
Geo. S. Baker et al	do	
F. W. Huntington et al	do	
Ularence Loveberry et al	do	
O B Hass at al	do	
	Jas. J. Brougham et al F. Auerbach Bros Saml. E. Bennett Wm. E. Phillips Metropolitan Coal Co J. W. Cleveland Peter Van Splinter P. H. Merchant Ed. Calkins Chas. Hacker Russell G. Merrill W. S. Cass Jas. J. Brougham Geo. E. Howard & Co do Albert E. Behnke Don C. Ayer Jas. W. Davis The Friedenwald Co	Chas. Hacker         Use horse and buggy           Russell G. Merrill         do           W. S. Cass         do           Jas. J. Brougham         do           Geo. E. Howard & Co         Envelopes           Labels         Labels           Albert E. Behnke         Use horse and buggy           Don C. Ayer         do           Jas. W. Davis         do           The Friedenwald Co         Stamps           do         Stamps           do         Chicago Car Seal and Manufacturing Co           Seals and tags         Soap           The Burnet Co         Batteries           F. W. Bicknell         Traveling expenses           Geo. W. Butler         Services           D. Cumming         do           Jno. A. Bell         do           F. W. Bicknell         do           Jno. A. Bell         do           Jno. W. Belvin         do           Jas. Fleming et al         Salaries           Jno. W. Burton et al         do           O. E. Dyson et al         do           Walter J. Stewart et al         do           Niels C. Sorensen et al         do           A. G. R. Eichardson         Expenses

ate.	Name.	Nature of payment.	Total
102.	Chas. Keane et al Frank D. Ketchum et al Henry P. Armsby et al Wm. Thompson et al Fredk. W. Ainsworth et al Louis K. Green et al Arthur B. Morse et al Major Schofield Chas. Cowie F. M. Perry Arthur B. Morse. H. D. Mayne		
Dec. 11	Chas. Keane et al	Salaries	\$407 1,025 185
	Frank D. Ketchum et al.	do	1,020
	Wm Thompson et al	do	1,064 287 270 173 29 7
	Fredk W Ainsworth et al	do	287
	Louis K. Green et al	do	270
	Arthur B. Morse et al	do	173
	Major Schofield	Traveling expenses	29
	Chas. Cowie	do	7
	F. M. Perry	do	8
	Arthur B. Morse	do	3 16 47 3
	H. D. Mayne Allen A. Holcombe Wm. C. Honan	do	10
	Wm C Hopen	do	3
	E. J. Foreman	do	29
	Harry D. Paxson	do	5 13
	dő	do	13
	W. S. Cass	do	14 69
	Jno. J. Hayes	do	69
	Fred. T. Dolan	do	5 9
	Major Schoffeld	Services	9
	Patk. Dorsey	do	37
	Frank A Paddock	do	58 13
	Wm. C. Honan E. J. Foreman Harry D. Paxson do W. S. Cass Jno. J. Hayes Fred. T. Dolan Major Schofield Patk. Dorsey Harry F. Hume Frank A. Paddock Wm. H. Wade Jas W. Davis	do	73
	Jas. W. Davis	do	78
	Will. H. Wate Jas. W. Davis Claude E. Verry W. E. Hill U. G. Houck F. L. Russell M. O. Anderson Wm. R. Fleming	do	78 58 97
	W.E.Hill	do	97
	U.G. Houck	do	130
	F. L. Russell	do	216
	M. O. Anderson	do	114 97
	Wm. K. Fleming		97
	F M Poerry	do	114
	Chas. Cowie F. M. Perry Geo. S. Hickox W. B. Niles W. H. Page	Evnanças	114
	W B Niles	do	97 96 114 9 13 9 25
	W. H. Rose	do	9
	Robt. Darling	Use horse and buggy	25
	Chas. Keane	do	
	F. D. Ketchum	do	25 50 50
	E. I. Williams	Heifers	50
	St. Louis National Stock Yards	Office rent	50 20
	M. W. Leng	Traveling expenses	150
12	Geo W Pone	do	100
TIA	Geo. A. Bond	do	22
	T. Byron Cracroft	do	26
	Harry C. Jacobs	do	4
	C. L. Morin	do	9
	E. L. Volgenau	do	13
	W. D. Collyer	do	35
	W. B. Niles W. H. Rose Robt Darling Chas. Keane F. D. Ketchum E. I. Williams St. Louis National Stock Yards. H. B. Brown M. W. Lang Geo. W. Pope Geo. A. Bond T. Byron Cracroft. Harry C. Jacobs C. L. Morin E. L. Volgenau W. D. Collyer Dan McCunningham Clarence A. Clawson A. D. Melvin Jas. M. Pickins	00	49
	A D Molvin	00 0b	35 49 22 77 32
	Jas M. Pickins	. do	20
	A. D. Helvins Jas. M. Pickins Jno. F. Kelly Wm. Yenner H. J. Hammond Geo L. Raker	do	3
	Wm. Yenner	do	29
	H.J. Hammond	do	82
	Geo, L. Baker Geo, C. Moser Peter I. Kershner Albert N. Irwin	do	6
	Geo. C. Moser	do	31
	Peter I. Kershner	do	22
	Albert N. Irwin	do	. 96
	Geo F Thompson	do	36 88 24
	W P Ellenberger	do	81
	W. B. Niles	do	7
	Chas, M. Day	do	81 7 34
	U.G. Houck	do	90
	Boyd Baldwin	do	5
	E. T. Davison	Expenses	5 15 7
	Linus E. Sargent	do	7
	Albert N. Irwin F. L. Russell Geo. F. Thompson W. P. Ellenberger W. B. Niles Chas. M. Day U. G. Houck Boyd Baldwin E. T. Davison Linus E. Sargent Geo. W. Pope Thos. J. Turner E. A. de Schweinitz The New York and New Jersey Telephone Co.	do	4
	Tnos. J. Turner	do	6
	The New York and New James Colors	Corries	18 14
	Co.	Service	14
	Fred A Schmidt	Oil boards	1
	Fred. A. Schmidt Woodward & Lothrop Z. D. Gilman Rudolph, West & Co	Soan	10
	Z D Gilman	Bensole, etc	6

ate.	Name.	Nature of payment.	Total.
902.			
902. c. 12	W. M. Galt & Co	Corn	\$32.
	G. W. Wood Tyer Rubber Co	Services	114.
	Tyer Rubber Co	Rubber tips	9.
13	Dennison Manufacturing Co	Tags	11.
	do	do	16. 17. 9.
	Chicago Car Seal and Manufacturing Co	do	17.
	Bausch & Lomb Optical Co.	Forceps, etc	9.
	C. H. Zink	Expenses	100.
	Henry Hunter	do	65.
	M. E. Knowles	Servicesdo	16.
	Ernest N. Hutchinson	Traveling expenses	14.
	Harry B. Adair	do	2
	Harry L McDonald	do	2. 21.
	Harry L. McDonald Geo. S. Hickox	do	29.
	Harry L. McDonald	do	27.
	Harry L. McDonald Joseph W. Parker	do	8.
	Louis A. Klein	do	13.
	W. L. Johnson	do	32.
	Arch. H. Wallace		42.
	C. H. Zink		5.
1.0	Thos. A. Bray	do	2.
16	E. T. Davison et al	Salaries	406.
	Ernest N. Hutchinson	Expenses	14.
	G. W. Ward		26.
	Geo. E. Totten	do	56. 40.
	Wm. D. Jorden	do	79.
	Louis Metsker	do	69.
	Thos. Castor	do	68.
	Bessie Merchant		25.
	Wm. Lochte		10.
	The Kny-Scheerer Co	Formaldehyde	7.
	O. E. Dyson	Use horse	25.
	A. P. Little	Pencils, etc	4.
	Jno. B. Sine	Use horse and buggy	35,
	Union Stock Yards and Transit Co	Coal	5.
	Jno. C. Lorenzen	Use horse and buggy	32.
	S. W. Burt	do	25.
	Stock Yard Paint Co	Paper, etc.	2.
	E. I. Williams	Calves	50.
17	Joseph Hiatt Chas. M. Day	Pigs Expenses	24. 83.
16	Julius Huelsen	do	7.
	W. S. Cass	Traveling expenses	47.
	Fredk. O. Pettey	do	4.
	J. C. Milnes	Services	130.
	J. C. Milnes Northeast Dressed Meat and Wool Co	Calf, etc.	25.
18	Levi Well	Traveling expenses	144.
	Frank C. Eells	do	44.
	N. L. Townsend		60.
	Leslie J. Allen	do	75.
	Warner Worcester	do	46.
	Chas, A. Brown	do	5.
	Jno. R. Mohler		77.
	Wm. E. Mowrer		62. 33.
	Jno. McBirney	do	9.
	W. H. Wray J. F. Ryder	do	30.
	W. H. Wray	Services	375.
	J. F. Ryder	do	163.
	Caroline Burnaby		40.
	E. C. Schroeder	Expenses	6.
	E. C. Schroeder W. H. Wray	do	10.
	Chas. Hubinger	Oil, etc	19.
	do	Gasoline	31.
	E. J. Pullman	Plates Repairing hall	1.
	Morris Miller	Repairing hall	28.
	Wm. E. Phillips	Services	2.
	Illinois Central R. R. Co Burlington and Missouri River R. R	Transportation	
	Burnington and Missouri River R. R.	do	3.
	Pennsylvania Company	do	3.
	Stanbar C Dealer	do	ð. 1
	Stephen C. Dooley	do	1. 1.
	do	do	1.
	Illinois Control P. P. Co	do	26.
19	do Illinois Central R. R. Co Lowell Clarke	Traveling expenses	82.
10	Wm. F. Pflaeging	do	34.
		do	93.

Date.	Name.	Nature of payment.	Total.
1902.			
ec. 19	Walter E. Howe H. J. Hammond W. R. Dennis	Traveling expenses	\$26. 70. 39.
	H. J. Hammond	do	70.
	W. R. Dennis. I. W. O'Rourke Roy N. Drake The Chesapeake and Ohio Rwy. Co Union Pacific R. R. Co. The Pennsylvania R. R. Co Baltimore and Ohio R. R. Co. Southern Rwy. Co. do Burlington and Missouri River R. R. Pennsylvania Co The Missouri Pacific Rwy. Co Chicago, Burlington and Quincy Rwy. Co. The Fittsburg, Cincinnati, Chicago and St. Louis Rwy. Co. Terre Haute and Indianapolis R. R. Co.	do	39.
	I. W. O'Rourke	do	113. 40.
	The Chesaneske and Ohio Rwy Co	Passangar transportation	82.
	Union Pacific R R Co	do	13.
	The Pennsylvania R. R. Co	do	16.
	Baltimore and Ohio R. R. Co	do	16. 17.
	Southern Rwy. Co	do	16.
	do	do	12. 31. 17.
	Burlington and Missouri River R. R.	do	31.
	Pennsylvania Co	do	17.
	Chicago Buylington and Owing Bry Co	00	27.
	The Littsburg Cincipneti Chicago and	do	26.
	St Louis Rwy Co	do	20.
	Terre Haute and Indianapolis R. R. Co.	ob	14.
	Terre Haute and Indianapolis R. R. Co Nashville, Chattanooga and St. Louis	do	12.
	Rwy. Co.		2.77
	The Atchison, Topeka and Santa Fe Rwy.	do	10.
	Co.		
	Chicago and Alton Rwy.Co New_York Central and Hudson River	do	20.
	New York Central and Hudson River		18.
20	R. R. Co.	Cottle	1.00*
20	Amos Gates	Cattle	1,087. 220.
	S E Townsend	Cows	507.
	R. R. Co. Jerry Bond Amos Gates S. E. Townsend Geo. C. Howard & Co. do Church & Stephenson Lutz & Co. Geo. B. McCabe Jas. M. Pickens W. C. Pennywitt D. E. Salmon H. M. Rowe Saml. E. Bennett Tooie A. Geddes	Labelsdo	560.
	do	do	1,040.
	Church & Stephenson	Posts	223.
22	Lutz & Co	Pads Traveling expenses	13.
	Geo. B. McCabe	Traveling expenses	29.
	Jas. M. Pickens	do	56.
96	W.C. Pennywitt	do	4.
26 27	D. E. Salmon	do	4. 122. 9.
61	Saml F Ronnott	Expenses	16.
	Saml E. Bennett Tooie A. Geddes Thos, J. White H. M. Rowe	Services	163.
	Thos. J. White	Traveling expenses	31.
	H. M. Rowe	do	74.
	Clinton A. Bugbee	do	105.
	David R. Hodges	do	105. 32. 97.
	David C. Hanawalt	do	97.
	Thos. Redmond	do	72.
	Henry McNany	00	85. 33.
	Noth R Smith	do	45.
	Matthias Lantz	do	93
	H. M. Rowe. Clinton A. Bugbee David R. Hodges David C. Hanawalt Thos. Redmond Henry McNally J. Otis Jacobs Nathl. B. Smith Matthias Lantz Jno. J. Hayes Howard D. Ebey E. A. de Schweinitz Tooie A. Geddes	do	23. 46.
	Howard D. Ebey	do	33.
	E. A. de Schweinitz	do	55.
	Tooie A. Geddes	do	62.
	F. E. Morgan	Pigs	16.
	C. H. Cov.	Mares	70.
	B O Ewing	Mare	5.
	Wm B Wallace	Cattle	445. 607.
	Wm. Diffley	do	463.
	M. Abrams	do	611.
	J. J. Kerrigan	do	611. 196.
	Martha L. Bryant	do	80.
	Wm. Read & Sons	do	39.
	Jno. Cullen	do	693. 87.
	F D Shoo	do	87.
	Marion Dorset et al	Hogs	120. 4, 999.
	E. A. de Schweinitz Tooie A. Geddes F. E. Morgan J. K. De Wolf C. H. Gay B. O. Ewing Wm. B. Wallace Wm. Diffley M. Abrams J. J. Kerrigan Martha L. Bryant Wm. Read & Sons Jno. Cullen Taunton Insane Farm F. P. Shea Marion Dorset et al	Sararres	4, 999.
903. 1. 3	Total second quarter		328, 300.
i. 3	Geo. E. Howard & Co C. L. Morin H. D. Mayne A. A. Holcombe W. J. Kennedy F. W. Bicknell W. D. Collyer Levi Wells. B. F. Van Valkenburg M. W. Lang	Labels	800.
	C. L. Morin	Services	101.
	H. D. Mayne	do	101.
	A. A. Holcombe	do	117. 100.
	W.J. Kennedy	do	100.
	W. D. Collyon	00	250.
	Levi Wells	do	200. 125.
	B. F. Van Valkenburg	do	125. 150.
			125.

# $Expenditures of \ Department \ of \ Agriculture for year \ ending \ June \ 30, 1903-{\bf Cont'd.}$

ate.	Name.	Nature of payment.	Total
903.	,		
. 3	Leonard Pearson	Services	\$400. 75. 12.
	Leonard Pearson Wm. H. Wade Mrs. E. L. Coleman Rudolph, West & Co. Potomac Electric Power Co J. D. Frazee R. P. Clarke Co do	do Office rent Wire fence, etc Electric current Towel service	75.
5	Mrs. E. L. Coleman	Office rent	12.
	Rudolph, West & Co	Wire fence, etc	610.
	Potomac Electric Power Co	Electric current	42. 3.
	J. D. Frazee	Towel service	3.
	R. P. Clarke Co	Sheeting	1.
	do  G. R. Douglass  American Tag Co Thos. O. Sullivan C. E. Haven Isaac Alger, jr Harrington, King & Co Jno. R. Burgess Frank Matthewson S. W. Marshall	do	1.
	The Geo. W. Knox Express Co	Transportation	4.
	G. R. Douglass	Electric bells, etc	4.
	American Tag Co	Tags	32. 296.
	Thos. O. Sullivan	Cattle	296.
	C. E. Haven	Wood Cattle, etc	60.
	Townington Vince & Co	Cattle, etc.	1,186
	Tarrington, King & Co	Rope	25
	JHO. R. Durgess	Cow Cattle	35. 140.
	S. W. Marshall	Cattle	140.
	Wm A Differ	Transportation	38.
	C F Pronty	do de	7.
1	F Poignon in	Cattle	238
	Wm. A. Diffey C. E. Prouty E. Paignon, jr. Chas. W. Mann	Services	21
	H B Read	Cattle	31 572 1,095
	H. B. Read Albert Manley	do	1 005
1	G S Pagray	do	49
	G. S. Peavey Frank Haven	Evnenses	94
1	do	do .	32
6	do G. E. Patrick Geo. M. Rommel	Traveling expenses	24 32 7
	Geo. M. Rommel	do	
	B. W. Hickman	do	5
1	R. W. Hickman W. H. Rose et al Fredk. Braginton et al	Salaries	1, 150 1,78 178
1	Fredk, Braginton et al.	do	178
	E. P. Dowd et al	do	178 672 294
1	Julius Huelsen et al	do	672
	Geo. C. Faville et al	do	294
	Nathan K. Feglev et al	do	254
1	H. A. Hedrick et al	do	478
1	F. W. Huntington et al	do	254 478 153 606
1	Albert Dean et al	do	606
	Saml. E. Bennett et al	do	2,175
	R. S. Fox	Cattle	2,175 539 541
1	Chas. Walmsley	do	541
	E. G. Boynton	do	578
	J. P. Emerson	do	743 747 781
	Ira H. Angell	do	747
	Chas. A. Skelton	do	781
- 4	Henry Buxton	do	1,050
	Jas. Johnson	do	2,472 2 8
	Robinson & Jones	Lime	z <sub>o</sub>
1	Attleboro Coal Co	do	8
	Fredk. Braginton et al. E. P. Dowd et al. Julius Huelsen et al. Geo. C. Faville et al. Nathan K. Fegley et al. H. A. Hedrick et al. F. W. Huntington et al. Albert Dean et al. Saml. E. Bennett et al. E. S. Fox Chas. Walmsley E. G. Boynton J. P. Emerson Ira H. Angell Chas. A. Skelton Henry Buxton Jas. Johnson Robinson & Jones Attleboro Coal Co. A. J. Richards & Son	00	8
	r. w.Alger	Services	11 14
	F. W. Alger Geo. B. McClellen Mrs. W. H. Judd Osgood Construction Co	Calf Expenses	14
	Oggood Construction Co	Services	18 28
	do	do	29
	John Cullen	Hogs.	35
	Geo. Lawrence	Cow	95
	Hattie Burns	Services	43
	Paine Furniture Co	Services Desks, etc	35 43 91
	Paine Furniture Co A. A. Hutcherson	Cattle	131
	Gustay Roessler	do	280
	Anderson & Christofferson	do	300
	Gustav Roessler Anderson & Christofferson Thos. Collier	do	300 308
	B G Heald	do	386
	Andrews Bros	do	406
	Clarence O. Durfee	Services	386 406 19
	Thos. Collier B. G. Heald Andrews Bros Clarence O. Durfee Patck. Dorsey Henry F. Hume Patk. Dorsey D. Cumming U. G. Houck A. H. Wallace	do	9
	Henry F. Hume	do	60
	Patk. Dorsey	do	27 75
	D. Cumming	do	75
	U.G. Houck	do	134 117 117 117
	A. H. Wallace Thos. Castor Geo. E. Totten	do	117
	Thos. Castor	do	117
	Geo, E. Totten	do	117
		do	117
	Louis Metsker	uo	
	Louis Metsker Thos. A. Brav	do	117.
	Geo. E. Totten Louis Metsker Thos. A. Bray Jos. W. Parker Peter I. Kershner Wm. G. Shaw	do	117 117 117 117 117

ate.	Name.	Nature of payment.	Total.
1903. Jan. 6	Harry B. Adair Leslie J. Allen Geo. W. Browning Ernest J. Foreman Geo. C. Moser Dan McCunningham Louis A. Klein Wm. D. Jorden Albert N. Irwin Clarence A. Clawson W. L. Johnson Chas. A. Brown Harry L. McDonald Geo. S. Hickox Samuel E. Bennett United States Envelope Co Geo. E. Howard & Co Wagner Typewriter Co Arthur R. Glaisyer Wm. M. H. Seabrook et al F. L. De Wolf et al Richard L. Blanche et al Jas. Johnston et al Geo. W. Pope et al Harry N. Waller et al Boyd Baldwin et al Jno. Forbes et al Geo. M. Whitaker Geo. M. Butler M. O. Anderson David C. Hanawalt Lowell Clarke Walter E. Howe Frank C. Eells Thos. White Warren Worcester Roy N. Drake. N. S. Townsend J. Otis Jacobs Matt. S. Lantz H. M. Rowe Rob H. Treacy		
	Harry B. Adair	Services	\$117. 117. 117.
	Leslie J. Allen	do	117.
	Geo. W. Browning	do	117.
	Ernest J. Foreman	do	101. 101.
	Geo. C. Moser	do	101.
	Dan McCunningham	do	101.
	Louis A. Klein	do	101. 101. 101.
	Wm. D. Jorden	do	101.
	Albert N. Irwin	do	101.
	Clarence A. Clawson	do	101.
	W. L. Johnson	do	101. 75. 75.
	Chas. A. Brown	do	75.
	Harry L. McDonald	do	75.
	Geo. S. Hickox	do	117. 38. 35.
	Samuel E. Bennett	Use of horse and buggy	38.
	United States Envelope Co	Envelopes	35.
7	Geo. E. Howard & Co	Labels	800.
	Wagner_Typewriter Co	Typewriter	87. 6. 438.
	Arthur R. Glaisyer	Traveling expenses	6.
	Wm.M.H. Seabrook et al	Salaries	438.
	F.L. De Wolf et al.	do	178.
	Richard L. Blanche et al	do	178. 1,875. 356.
	Jas. Johnston et al	do	1,875.
	Geo. W. Pope et al	do	356.
	Harry N. Waller et al	do	2,704.
	Boyd Baldwin et al	do	2,704. 628. 3,070. 240.
	Jno. Forbes et al	do	3,070.
~	Geo. M. Whitaker	Services	240.
	Geo. W. Butler	do	117.
	M. O. Anderson	do	117.
	David C. Hanawalt	do	117.
	Lowell Clarke	do	117. 117. 117. 117.
	Walter E. Howe	do	117.
	Frank C. Eells	do	117.
	Thos. White	do	117.
	Warren Worcester	do	117.
	Roy N Drake	do	117
	N. S. Townsend	do	117
	J. Otis Jacobs	do	117. 117. 117. 117. 117. 117.
	Matt S Lantz	do	117
	H M Rowe	do	117
	Roht H Treacy	do	117. 117. 117. 117.
	C. H. Bughee	do	117
	R. A. Ramsay	do	117
	Geo. A. Bond	do	117. 117. 117. 117. 117. 117. 117.
	Jno. J. Haves	do	117
	H. J. Hammond	do	117
	Isaac W O'Rourke	do	117
	A R Glaisver	do	117
	Wilton F Crewe	do	101
	Horace H Collins	do	101
	W R Dennis	do	75
	Wm. Pflaeging	do	101. 75. 75.
	Howard D. Ebev	do	75.
	Thos. Redmond	do	75.
	A.J. Smith	do	75.
	David R. Hodges	do	75.
	A.J. Pistor	do	
8	Patk, O'Shea et al	Salaries	73. 24. 7,838. 178. 1,291. 1,023. 178.
	A. G. G. Richardson et al	do	7,838
	Wesley N. Neil et al	do	178.
	A. E. Behnke et al	do	1.291
	Lewis R. Baker et al	do	1.023.
	W. J. Murphy et al	do	178
	Chas. A. Schaufler et al	do	
	Edw. P. Schaffter et al	do	617
	Rice P. Steddom et al	do	205
	Roy N. Drake. N. S. Townsend J. Otis Jacobs . Matt. S. Lantz H. M. Rowe Robt. H. Treacy C. H. Bugbee R. A. Ramsay Geo. A. Bond Jno. J. Hayes H. J. Hammond Isaac W. O'Rourke A. R. Glaisyer Wilton F. Crewe Horace H. Collins W. R. Dennis Wm. Pflaeging Howard D. Ebey Thos. Redmond A. J. Smith David R. Hodges A. J. Pistor Patk. O'Shea et al A. G. G. Richardson et al Wesley N. Neil et al A. E. Behnke et al Lewis R. Baker et al W. J. Murphy et al Chas. A. Schaufier et al Edw. P. Schaffter et al Rice P. Steddom et al Fredk. T. Dolan Willis B. Lincoln Murray J. Myers Jos. M. Turner W. P. Ellenberger Wm. R. Fleming Jas. W. Davis Jno. A. Bell Hervey T. Potter Ernest L. Volgenau	Services	617. 205. 117. 117.
	Willis B. Lincoln	do	117
	Murray J. Myers	do	101.
	Jos M Turner	do	75
	W.P. Ellenberger	do	75. 117.
	Wm R Fleming	do	101.
	Jas W Davie	do	75.
	N B Smith	do	75. 117.
	F O Pottor	do	75.
	Ino McRimov	do	10.
	Ino A Roll	do	134.
	ono. A. Dell	do	24. 15.

# $Expenditures \ of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1903-{\bf Cont'd}.$

Date.	Name.	Nature of payment.	Total
1903.	,		
in. 8	G. W. Ward Chas. Cowie W. M. Galt & Co Church & Stephenson Wesley N. Neil W. A. Blodgett Clinton P. Howard Frank L. Howe W. E. Hayden H. A. Gilmore & Co Geo. C. Fisher	Services	8117
	Chas. Cowie	do	152
	W. M. Galt & Co	Hay and straw	\$117 152 2,489
	Church & Stephenson	Lumber, etc	158 7 2,179 1,867
9	Wesley N. Neil	Expenses	7
	W. A. Blodgett	Cattle	2,179
	Frank I. Howa	do	1,807
	W E Hayden	do	1,410
	H. A. Gilmore & Co.	do	1, 419 1, 250 971
	Geo. C. Fisher Jabez A. Fisher Thos. Mattie	do	784 587 451
	Jabez A. Fisher	do	587
	Thos. Mattie	do	451
	Wm Connore	SOPVIOOS	181
	do S. R. Briggs J. F. Carey	do	36
	S. R. Briggs	Meals and lodgings	36 46 38
	Allon Androws	Monle and ladgings	14
	Chas H Chavnon	do	19
	Ino I Forrest	Meals and lodgings  do Creclin	12
	J. F. Eaton	Services	4
	J. F. Carey Allen Andrews Chas. H. Chaynon Jno J. Forrest J. F. Eaton Geo. R. Simonds B. P. Wende et al Chas. H. Zink et al Thos. J. Turner et al A. J. Payne et al Wm. Thompson et al F. D. Ketchum et al Jas. J. Brougham	Kerosene	4
	B. P. Wende et al	Salaries	1,677 $699$
	Chas. H. Zink et al	do	699
	Thos. J. Turner et al	do	839
	A. J. Payne et al	do	938 996
	Wm. Thompson et al	do	1,061
	Inc. I. Brougham	do	1,001
	Jos B Clanev et al	do	1,475 2,992 3,890
	Don C Aver et al	do	3, 890
	L. C. Corbett	Traveling expenses	92
	Jno. J. Brougham	Expenses	21
10	Walter J. Stewart et al	Salaries	5,938
	F. D. Ketchum et al. Jas. J. Brougham Jos. B. Claney et al. Don C. Ayer et al. L. C. Corbett Jno. J. Brougham Walter J. Stewart et al. Jno. W. Burton et al. Jas. Fleming et al. Jas. M. Pickens	Traveling expenses Expenses Salaries do do Traveling expenses do	5,933 2,171
	Jas. Fleming et al	do	802
	Jas. M. Pickens Albert Hassall Jno. R. Mohler	Traveling expenses	34 111 8
	Albert Hassall	do	111
	Jno. R. Mohler		8
12	Coo E Howard & Co	Labels	76
12	Rudolph Wort & Co	Bolts	800 21
	Geo. E. Howard & Co. Rudolph, West & Co. Mackall Bros	Mercury.etc	44
	Church & Stephenson	Posts, etc.	253
	Woodward & Lothrop	Mercury, etc Posts, etc Soap Thermometers, etc	7 74
	Z. D. Gilman	Thermometers, etc	74
	Houghton & Delano	Photo cards	24
	American Ice Co	Ice	24
	Mackall Bros Church & Stephenson Woodward & Lothrop Z. D. Gilman Houghton & Delano American Ice Co L. G. Orndorff Lamb & Tilden	Axle	4
	Lamb & Tilden	Ink Coats	12
	W R Mosos & Sons	Shades and rugs	97
13	Lamb & Tilden Parker, Bridget & Co W. B. Moses & Sons Wyckoff, Seamans & Benedict	Shades and rugs Typewriter, etc	205
1.0	Edwd. S. Schmid	Feed	14
	Z D Gilman	Oil etc	14 60
15			
	W. E. Hill Hurlbert Young Saml. E. Bennett E. T. Davison Edwd. P. Schaffter W. B. Niles Thos. Redmond Clarence O. Durfee Saml. E. Bennett Wilton F. Crewe H. D. Mayne Jno. P. O'Leary C. L. Morin Robt. G. Knipple Merrill W. Lang Claude E. Verry Robt. L. McClellan C. H. Zink Wm. A. Skinner A. G. G. Richardson Geo. W. Pope do Matthias S. Lantz Chas. W. Pagle, jr	do	248
	Hurlbert Young	do	90
	Saml. E. Bennett	Traveling expenses	36 121
	E.T. Davison	00	121
	W P Nilos	do	2
	The Redmond	do	19
	Clarence O Durfee	do	1
	Saml, E. Bennett	do	29
	Wilton F. Crewe	do	30
	H. D. Mayne	do	30
	Jno. P. O'Leary	do	1
	C. L. Morin	do	6 5 22
	Robt. G. Knipple	do	5
	Merrill W. Lang	do	22
	Claude E. Verry	do	4
	Robt. L. McClellan	do	6
	U. H. Zink	do	17
	Wm. A. Skinner	do	12
	A. G. G. Kichardson	do	25 4
	dec. w.rope	do	6
	7/5-441-1 C T4-	do	18

# $Expenditures of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30, 1903-{\rm Cont'd.}$

ite.	Name.	Nature of payment.	
03.	O. E. Dyson et al. Joshua Miller et al Louis K. Green et al Fredk. W. Ainsworth et al Jos. M. Good et al Trajan A. Shipley et al. E. T. Davison et al. O. B. Hess et al. Geo. S. Baker et al. J. C. Milness et al. W. S. Cass et al. Robt. Darling et al. W. B. Niles et al. Clarence Loveberry et al. Geo. Ditewig et al. Jas. S. Kelly et al. W. H. Gibbs et al. Arthur B. Morse et al. Arthur B. Morse et al. A. R. Wake et al. N. C. Sorensen et al. Richd. W. Tuck et al. Henry P. Armsby et al. Chas. Keane et al. Joshua Miller W. H. Rose Chas. A. Schauffer Jno. Forbes Chas. A. Schauffer Jno. Forbes Chas. Keane W. B. Niles F. W. Huntington Harry N. Waller T. A. Shipley Chas M. Day Geo. W. Butler Saml. E. Bennett Albert E. Behnke Boyd Baldwin Hiram Jerome Fredk, Braginton		
. 15	O. E. Dyson et al.	Salaries	S
	Joshua Miller et al	do	
	Louis K. Green et al.	do	
	Fredk. W. Ainsworth et al.	do	
	Jos, M. Good et al	do	
	Trajan A. Snipley et al.	do	
	E. I. Davison et al	do	
	O B Hose of al	do	
	Geo S Baker et al	ho	
	J. C. Milness et al	do	
	W S Cass et al	do	
	Robt, Darling et al	do	
	W. B. Niles et al	do	
	Clarence Loveberry et al	do	
	Geo. Ditewig et al	do	
	Jas. S. Kelly et al	do	
	W. H. Gibbs et al	do	
	Arthur B. Morse et al	do	
	A. R. Wake et al	do	
	N. C. Sorensen et al	do	
	Kiena. W. Tuck et al	do	
	Chas Koops et al	do	
	Joshua Millon	Expanses	
	W H Rose	do.	
	Chas A Schauffer	do	
	Ino Forbes	do	
	Chas. Keane	do	
	W B Niles	do	
	F. W. Huntington	do	
	Harry N. Waller	do	
	T. A. Shipley	do	
	Chas. M. Day	do	
	Geo. W. Butler	do	
	Saml. E. Bennett	do	
	Albert E. Behnke	do	
	Boyd Baldwin	do	
	Hiram Jerome	do	
	Fredk. Braginton	do	
	Fred. J. Goebel	do	
	I. L. De Wolf	do	
	H A Hodrick	do	
	N.C. Sovenson	do	
	A G G Richardson	do	
	Boyd Baldwin Hiram Jerome Fredk Braginton Fred J. Goebel F. L. De Wolf Jos. M. Good H. A. Hedrick N. C. Sorensen A. G. G. Richardson J. W. Pope D. E. Salmon do	do	
	J. W. Pope	do	
	D. E. Salmon	do	
	- do W. B. Jourdan G. H. Woodman & Co Chas, E. Jennings	do	
	W. B. Jourdan	Cattle Cartridges Cattle	
	G. H. Woodman & Co	Cartridges	
	Chas. E. Jennings	Cattle	
	Robt. Lindsey	do	
	C. B. Frost & Co	Lime	
	Coolidge Bros	Compiess	
	Isaac Alger, Jr	Services	
	Joe F Lamson	Cottle	
	W S Cace	Use horse and baccar	
	Iowa Telephone Co	Service	
	A E Rehnke	Use horse and buggy	
	T F Rogers agent	Rent	
	The Real Estate and Improvement Co	do	
	Emma Curran, administratrix	do	
	Jas. Stikeman	do	
	St. Joseph Stock Yards Co	do	
	N. Rufus Gill	do	
	G. H. Woodman & Co Chas E. Jennings Robt Lindsey C. B. Frost & Co Coolidge Bros Isaac Alger, jr. Jno. Dugiud Jos F. Lamson W. S. Cass. Iowa Telephone Co A. E. Behnke T. F. Rogers, agent The Real Estate and Improvement Co Emma Curran, administratrix Jas. Stikeman St. Joseph Stock Yards Co. N. Rufus Gill The Cincinnati Union Stock Yards Co East Buffalo Live Stock Exchange Bourbon Stock Yard Co F. Auerbach Co R. G. Mervill Iowa Telephone Co W. H. Turner Passaic Seed Co A. J. Tyler	do	
	East Buffalo Live Stock Exchange	do	
	Bourbon Stock Yard Co	do	
	F. Auerbach Co	do	
	R. G. Merrill	Use horse, etc	
	Iowa Telephone Co	Service	
	W.H. Turner	Mare	
	Passaic Seed Co A. J. Tyler	Oats, etc Services	
	A. J. Tyler	Services	
	B. E. Bayes Red Feather F. D. Ketchum	Corn Mare Use horse, etc	
		Mare	

# $Expenditures \ of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30, 1903-{\bf Cont'd}.$

Date.	Name.	Nature of payment.	Tota
1903.	•		
an. 15	Cutler & Neilson Paint and Color Co	Paint	S5
	Mendenhall Transfer Co. Chas. Keane	Drayage Use horse, etc	25
	Chas. Keane	Use horse, etc	25
	W. C. Lamb Sunset Telephone and Telegraph Co Crazy Bear Eagle Louse W. M. Lawson	Services	10
	Sunset Telephone and Telegraph Co	Service Mare	10
	Crazy Bear	Mare	40
	Eagle Louse	Horseshoeing	40
	W.M. Lawson	Horseshoeing	3
	The Bell Telephone Co., of Philadelphia	Services Service	20 40
	The Bell Telephone Co., of Philadelphia	Service	41
	The Chesapeake and Potomac Telephone Co Maryland Telephone and Telegraph Co	Stove	15
	Manuland Talanhana and Talamanh Ca	Service	12 12
	J. S. Stott	Bottles, etc	18
	J. S. Stott Frontier Towel Supply Co. Nebraska Telephone Co. Mendenhall Transfer Co.	Service	18
	Nebreska Tolophono Co	do	19
	Mandanhall Transfer Co	Storage	18 10
	New Telephone Co	Sarvice	20
	New Telephone Co Jas. J. Brougham Chas. A. Schaufler	Service Use horse, etc	40
	Chas A Schaufler	do	108
	Ino Forbes	do	54
	Missouri and Kansas Telephone Co	Service	12
	Northeastern Telephone and Telegraph Co	do	15
	City Telephone Co	do do	
	A. S. Chandler	Steer	12
	Robt. Darling	Use horse, etc	2
	Kny-Scheirer Co	Syringes	1
	Chas, A. Schauffer Jno. Forbes Missouri and Kansas Telephone Co Northeastern Telephone and Telegraph Co City Telephone Co A. S. Chandler Robt. Darling Kny-Scheirer Co The Friedenwald Co Chicago Car Seal and Manufacturing Co do	Steer Use horse, etc. Syringes Stamps. Tags, etc. Seals Lumber	150
	Chicago Car Seal and Manufacturing Co	Tags, etc	12/
	do	Seals	187 39 40
	Thos. Meenan & Sons (Incorporated)		36
	Wm. Bartels	Monkeys Ringers	40
	Wm F Proff	Ringers	39
	Bausch & Lomb Optical Co.  The Geo. F. Blake Manufacturing Co. United States Envelope Co.	Tubes. Grates Envelopes	39
	The Geo. F. Blake Manufacturing Co	Grates	2
	United States Envelope Co	Envelopes	11
	do Library Bureau	Cards	78
	Library Bureau	Cards	78
	do	do	6
	do Whitall Tatum Co. Eimer & Amend	Flasks Foil, etc Bottles, etc	12 31
	Eimer & Amend	Foil, etc	3]
	do	Bottles, etc	
	do	Flasks, etc	15
	Dufur & Co	Cages	44
10	E.J. Brooks & Co	Glasses	79
16	Albert N. Irwin	Traveling expenses	9
	Chas. B. Hutchinson	do	100
	Jno. V. Laddey	do	64 130 116
	E. L. Volgenau	do	110
	P. H. Mullowney	do	100
	F. M. Perry	do	89 100
	Leonard Pearson	do	100
	Trank H. Burleign	00	18
	Thos. Coyle	d0	65 636
	U. A. JOHNSON	Cattle	658
	Hamsen M Child		630
	Compol Pressell	do	750
	C H Jones	do	750 751
	Apploton M Tools	do	940
	A A Goodell	do	940 1,088 1,530
	Goo A Roynton	do	1 530
	A D Roynton	do	
	Denl A Carleton	do	1 698
	Emerson B Leland	do	1,698 1,810 599
	Jas W Gould	do	599
	do do do do Dufur & Co E. J. Brooks & Co Albert N. Irwin Chas. B. Hutchinson Jno. V. Laddey E. L. Volgenau P. H. Mullowney F. M. Perry Leonard Pearson Frank H. Burleigh Thos. Coyle O. A. Johnson Frank P. Wells Herman M. Guild Samuel Russell C. H. Jones A. A. Goodell Geo. A. Boynton A. D. Boynton Danl. A. Carleton Emerson B. Leland Jas. W. Gould Clinton P. Howard Frank Matthewson Jno. Ford F. O. Libbey	Pioc	4
	Frank Matthewson	Services	5
	Jno. Ford	do	7
	F O Libber	do Meals and lodging	ģ
	Welton B. Jourdon	meas and longing Services do do Cattle	18
	W.J. Linnane Albert Manley Wm. P. Baldwin	do	26
	Albert Manley	do	33
	Wm P Baldwin	Cattle	38
	Tag A Androwe	do d	30
	Agron Aldrich	do	39 47
	Aaron Aldrich Geo. B. Davis H. A. Gilmore & Co	do	70
	H A Gilmore & Co	Services	84
	Geo A Farr	Cattle	90
	Geo. A. Farr M. H. Worden	do	95

Date.	Name.	Nature of payment.	Total
1903.			
n. 16	A. A. Freeman McKinney Bros	Cattle	\$98 119 138 160
	A. A. Freeman McKinney Bros Jno. F. Shine Roy A. Wells Alvah W. York Benj, S. Jenisen Saml. Adams A. H. Wells James Craddock E. H. Thayer H. H. Robbins Jno. Buckley Erwin A. Edson Jno. A. Gould Wm. A. Phelps C. U. Tolles Freeman H. Kaizer C. B. Robbins Edw. A. Felton D. E. Salmon Saml, E. Bennett Wm. Lockte	Services	118
	Roy A Wells	Cattle	160
	Alvah W. York	do	247
	Benj. S. Jenisen	do	278
	Saml. Adams	do	280
	A. H. Wells	do	298
	James Craddock	do	35% 900
	H H Robbins	do -	332 322 339
	Jno. Buckley	do	367
	Erwin A. Edson	do	395 425
	Jno. A. Gould	do	425
	Wm. A. Phelps	00	500 529
	Francis H Kaizer	do	588
	C. B. Robbins	do	595
	Edw. A. Felton	do	616
	D. E. Salmon	Expenses	138
	Saml. E. Bennett Wm. Lochte Geo. E. Howard & Co.	do	20 11
	THE BOOTIEC CONTROL OF THE PROPERTY OF THE PRO	Directing horses are	1,040
	Geo. E. Howard & Co J. W. Hurdle W. R. Dennis Geo. S. Baker G. W. Ward. H. M. Ball Fredk. T. Dolan W. P. Ellenberger Lewis R. Baker Wm. Thompson Geo. S. Baker A. A. Holcombe Don C. Aver	Services	1,040
17	W.R. Dennis	Traveling expenses	3 6
	Geo. S. Baker	do	6
	G. W. Ward	do	11
	H. M. Ball	do	3
	W P Fllanhauger	do	27
	Lewis R. Baker	Expenses	~i
	Wm. Thompson	do	4
	Geo. S. Baker	do	3
	A. A. Holcombe	do	į
	Don C. Ayer	Use of horse	15
	Jas W Davis	Drayage Use horse and buggy	18
	Glynn & Smith Jas. W. Davis The Kansas City Stock Yards Co Thos. A. Bray H. J. Harwood	Office rent	45
	Thos. A. Bray	Office rent Use of horse Rent of land	75 62
	H. J. Harwood	Rent of land	62
	St. Louis National Stock Yards	Omce rent	50
	Emma J. Adams et al	Towel service	120
	New York and New Jersey Telephone Co.	Towel service Telephone service	1 20
	Armstrong Steam Laundry New York and New Jersey Telephone Co. Weehawken Stock Yard Co.	do	3
	F. P. Burnap Stationery and Printing Co Missouri and Kansas Telephone Co Martin Laundry and Towel Co	Writing fluid	6
	Missouri and Kansas Telephone Co	Servicedo	24 12
	Millon Look Co	Padlocks Tags	12
	Miller Lock Co Dennison Manufacturing Co	Tags	91
	J. M. Linehan	Services	24 137 1
19	O.B. Hess	Services Expenses	1
	Julius Huelsen	do	8 13
	E. N. Hutchinson	Empanyee	13
	Jno F Deadman	Services	24 117
-	J. F. Ryder	dodo	168
	Julius Huelsen E. N. Hutchinson W. H. Wray Jno. F. Deadman J. F. Ryder W. H. Wray Caroline Burnaby Iss. Law	do	168 387
	Caroline Burnaby	do	40
	Jas. Law	do	200
	J. W. Higgins A. M. Rothchilds & Co The Consumers Co	Overalls, etc.	6 3
	The Consumers Co	Oilcloth Water	1
	A. P. Little	Blotters, etc	4
	Stock Yards Paint Co	Brooms, etc	- 2
	Chicago Towel Supply Co	Towel service	134
	Bay State Clean Towel Co	Convice	134 6 43
	A. P. Little Stock Yards Paint Co. Chicago Towel Supply Co. Bay State Clean Towel Co. Chicago Telephone Co. O. E. Dyson. S. W. Burt. Jun B. Sine.	Service Use horse, etc	43 25
	S. W. Burt	do	25
	Jno. B. Sine	do	35
	Jno. C. Lorenzen	do	35
	Unas. Hacker	do	19
	C Dedevick	Omce rent	30
	Fifty Associates	do	30 90
	S. W. Burt. Jno. B. Sine Jno. C. Lorenzen Chas. Hacker Belt Railroad and Stock Yard Co C. Dederick Fifty Associates Gahan & Byrne Union Stock Yard and Transit Co The Sioux City Stock Yard Co Louisa Wells	do	675
	Union Stock Yard and Transit Co	do	375
		1.	60

Date.	Name.	Nature of payment.	Total
1903.	Fred L. Stevens Adolph Eichhorn L. Enos Day M. Jones W. H. Hersey. Geo. M. Dishorn Geo. C. Faville Nathan B. Smith E. N. Hutchinson W. D. Collyer Levi Wells W. L. Johnson Thos. A. Bray Albert N. Irwin J. F. Ryder W. H. Wray C. Wardell Stiles E. A. de Schweinitz Juo. R. Mobler D. F. Salmon		
n. 19	Fred L. Stevens	Traveling expenses	\$31
	Adolph Eichhorn	do	91 105 118 71
	L. Enos Day	do	105
	M. Jones	do	118
	W. H. Hersey	do	71
	Geo. M. Dishorn	do	
	Geo. C. Faville	do	20 5 67 102
	Nathan B. Smith	do	20
	E. N. Hutchmson	do	6
	W. D. Collyer.	do	100
	Levi wells	do	102
	Thos A Prov	do	5 8 13
	Albort M. Luwin	do	19
	T F Rydor	do	30
	W H Wroz	do	6
21	C. Wardell Stiles	Evnences	3
77.1	E A de Schweinitz	do	20
	Ino R Mohler	do	45
	D E Salmon	do	16
	Jas. B. Lambie	Screws	16
	W. M. Galt & Co	Oats, etc	616
	S. Kann. Sons & Co	Thread	020
	N. H. Shea	Soapine	
	E. Morrison Paper Co	Cardboard	1
	R. P. Clarke Co	Sheeting	1
	E. A. de Schwemtz Jno R. Mohler D. E. Salmon Jas. B. Lambie W. M. Galt & Co S. Kann, Sons & Co N. H. Shea E. Morrison Paper Co R. P. Clarke Co J. D. Frazee	Sheeting Towel service Glass	3 13
	Hugh Reilly E. G. Schafer & Co Washington Gaslight Co	U1465	13
	E. G. Schafer & Co	Pine	2
	Washington Gaslight Co	Gasdo	49
	do	do	45
	Potomac Electric Power Co	Current	46
	Michele Persechino	Service	39
	Harry B. Musk	Service	9
	do	do	7
	Coolidge Bros	Wood	7
	Patk. Cox	Cow	42
	Washington Gaslight Codo. Potomac Electric Power Co	Lime Meals and lodging Scythe, etc	- 6
		Meals and lodging	15
	Conant & Co	Scythe, etc	2
	Delbert St. Clair	Services	2 2 20
	Cumpon Poith	Limo	20
	M F Damail	Convioss	9
	Charter Spragno & Co	Lime	8 2 5
	Delbert St. Clair C. E. Prouty Sumner Keith M. F. Rumrill Chester Sprague & Co Wm. P. Baldwin Harry F. Tilden Frank E. Spear C. T. Boston. J. A. Bowman	Services	7
	Harry F Tilden	do	i
	Frank E Spear	do	$1\hat{2}$
	C. T. Boston	do	6
	J. A. Bowman	do	3
	Jno. J. Forrest M. Scarry Lewis Mitchell	Creoline	ĩ
	M. Scarry	Lime	8
	Lewis Mitchell	Services	287
	S. E. Brigham	Cattle	1 8 287 203
	Lewis Mitchell S. E. Brigham W. L. Pickard E. J. & C. B. Robbins Murray Brown W. A. Blodgett W. B. Fay, treasurer B. F. Bleidell	do	
	E.J. & C.B. Robbins	do	660
	Murray Brown	do	660 500 100
	W. A. Blodgett	Services	100
	W. B. Fay, treasurer	do	147
	w. B. Fay, treasurer B. F. Blaisdell A. J. Connelly Edw. M. Farr Frank W. Adams	Cattle	448 513 157
	A. J. Connelly	dodo	513
	Edw. M. Farr	do	157
	Frank W. Adams	do	1,050
	do	Services	2,221 35 168
	Henry S. Draper	Cattle	2,221
22	Henry E. Pieper	Services	35
	do Henry S. Draper Henry E. Pieper Tooie A. Geddes F. W. Ketchum Jos. B. Clancy Tooie A. Geddes Paul Bear Robe L. W. Barnum Little Old Woman Calico	do	168
	F. W. Ketchum	Expenses	9
	Jos. B. Clancy	The section of the se	. 5
	Dool Book Dale	Traveling expenses	145 15 15
	Faul Bear Robe	Mare	15
	L. W. Barnum	do	15
	Calica Old Woman	0	15 12
	Wishaal E Dimbanas	Use horse, etc	12
	Michael F. Diriberger	Use norse, etc	$\frac{45}{50}$
	Little Old Woman Calico Michael F. Dirnberger E. J. Brooks & Co B. E. Bayes American Tag Co	Seals	5U
	B. E. Bayes American Tag Co East Buffalo Live Stock Exchange Co	Corn	19 16
	East Profful Line Ct. 1 Find C	Tags Office rent	90
		CHICE FEITH	90

Date.	Name.	Nature of payment.	Tota
1903.			
an. 22	Andrew Biggi	Cattle	\$380
	Peter Coford Jno. Whalen Lewis D. Newton	do	472 215
	Jno. Whalen	do	894 894
	Lewis D. Newton J. S. Henry R. F. Parker A. W. Cheney Express Co Matthew Drummey Postal Telegraph Cable Co. Geo. E. Howard & Co Leo. Baum J. D. Frazee do A. J. Smith Wm. E. Mowrer do Fredk, O. Pettey	do	9 305
	R F Parker	do	2 786
	A. W. Cheney Express Co	Service	46
	Matthew Drummey	do	2,305 2.786 46 70
	Postal Telegraph Cable Co	do	4
	Geo. E. Howard & Co	Labels	560
	Leo. Baum	Photo reproductions	2
	J. D. Frazee	Towel service	ð
23	A T Smith	Traveling expenses	95 95
20	Wm E Mowrer	do	26
	do	do	5
	Fredk. O. Pettey Lowel Clarke Louis A. Klein Louis Metsker	do	4
	Lowel Clarke	do	8
	Louis A. Klein	do	18
	Louis Metsker	do	73
	Chas. A. Brown	do	6
	Wm D Jorden	do	24 86
	Chas. A. Brown Clarence A. Clawson Wm. D. Jorden Dan McCunningham	do	59
	A. J. Smith	do	9
	Murray J. Myers	do	88
•	Hervey T. Potter	do	6
	Dan McCunningham A. J. Smith Murray J. Myers Hervey T. Potter Murray J. Myers Jno. A. Bell H. Inez Temple E. T. Davison Chas. M. Day Chas. Cowie G. E. Patrick C. O. Durfee do	do	20
	Jno. A. Bell	do	17
	H. Inez Temple	do	4 89
	Chec M Doy	do	22 22
	Chas Cowia	do	6
	G. E. Patrick	do	Q.
	C. O. Durfee	do	9
	do	do	30
	Edwin Gowing, guardian	Cattle	290
	C. O. Durfee  do  Edwin Gowing, guardian  The Bell Telephone Co Fowler Manufacturing Co Hervey T. Potter Albert J. Payne E. C. Schroeder W. B. Moses & Sons Geo. F. Muth & Co Chas. R. Edmonston The J. C. Ergood Co Lamb & Tilden R. Carter Ballantyne W. H. Butler Co	Telephone service	30
	Fowler Manufacturing Co	Towelservice	3
	Hervey T. Potter	Expenses	15
	F C Schrooder	do	10
24	W B Moses & Sons	Desks	6 31
	Geo. F. Muth & Co	Oil	11
	Chas. R. Edmonston	Bucket, etc	3
	The J. C. Ergood Co	Lye	1 14
	Lamb & Tilden	Stamps	14
	R. Carter Ballantyne	Inkstand, etc	19
	W. H. Buttler Co	Sponge	7
	W M Golt & Co	Corn	40 242
	C W & R M Bowen Co	Renairing machine	30
	Thos. J. Turner	Expenses	14
	R. Carter Ballantyne W. H. Butler Co E. Morrison Paper Co W. M. Galt & Co C. W. & R. M. Bowen Co Thos. J. Turner O. E. Dyson Geo. C. Faville Bernhard P. Wende Nathan K. Fegley The Missouri Pacific Rwy. Co Atlantic, Knoxville and Northern Rwy. Co Nashville, Chattanooga and St. Louis Rwy. Co.	do	14 17 15
	Geo. C. Faville	do	15
	Bernhard P. Wende	do	2
	The Miccouni Pecific P.— C-	Doggon don two nont-ti	7
	Atlantic Knoyville and Northern Press Co.	do.	42 3
	Nachville Chattanoora and St. Louis Prev	do	0
	Co.		*,
	Boston & Maine R. R. Co.	do	9
	James Law	Traveling expenses	58
	J. Wm. Fink	do	156
	Jos. W. Parker	do	22
	Goo F Totton	ao	22
	Arch H Wallace	do	16
	David R Hodges	do	24 42
	Arthur R. Glaisver	do	8
	Walter E. Howe	do	47
	Bernhard P. Wende	do	2
	Thos. Castor	do	62
26	New York Telephone Co	Service	62 27
	Co. Boston & Maine R. R. Co. James Law J. Wm. Fink Jos. W. Parker Harry L. McDonald Geo. E. Totten Arch. H. Wallace David R. Hodges Arthur R. Glaisyer Walter E. Howe Bernhard P. Wende Thos. Castor New York Telephone Co. White Rabbit Mrs. La Point Henry J. Biglow & Co.	Stallion Mare	20
	Mrs. La Point. Henry J. Biglow & Co. Ed. Livermont. Geo. E. Howard & Co	Mare	10
	Ed Liverment	Butter	.2
		ware *	15

ite.	Name.	Nature of payment.	Tota
03.			
. 26	Lamb & Tilden	Pads	8
	W. M. Galt & Co F. P. Shea	Bran, etc.	23
	F. P. Shea	Carves	- 8
	J.P.Nawrath	Hogs	12
	Rurlington and Missouri River R R	Twine	1
	Pennsylvania Co	do	1
	Pennsylvania Co Chicago, Milwaukee and St. Paul Rwy. Co Chicago and Great Western Rwy. Co Illinois Central R. R. Co	do	1
	Chicago and Great Western Rwy. Co	do	
	Illinois Central R. R. Co	do	1
	Chicago, Burlington and Quincy R. R. Co. New York Central and Hudson River R. R. Co. Waldo Zoller	do	2
	New York Central and Hudson River	do	2
	R. R. Co.	Cettle	00
	O. A. Knowlton	Cattledo	80 66
	Geo N Dunn	do	32
	Geo. N. Dunn Jno. Mikkelsen	do	31
	Smith & Thaver	Pumps	31 11
	Smith & Thayer  New England Telephone and Telegraph Co.	Pumps Moving telephone	4
	E. L. Lackey	Services	1
	E.L. Lackey Job Ashworth Robinson & Jones	Meals	î
	Robinson & Jones	Lime	
	Clary Mowry Framingham Coal Co	Meals	
	Framingham Coal Co	Lime	
	D. E. Salmon	Expenses Trayeling expenses	10
	U.S. Houck Geo. F. Thompson W.S. Cass F. D. Ketchum W.S. Cass	Traveling expenses	10
	W S Cace	do	36
	F D Ketchum	do	2
27	Wm. O' Mara	Services	3
	do	Expenses	2
	Jos. B. Clancy	Expenses	1
	Albert Dean Louis K. Green Geo. S. Hickox	do	
	Louis K. Green	do	2
	Geo. S. Hickox	Two wellings own anges	8
	Ino I Haves	Traveling expenses	3
	Ino McRirney	do	8
	Clinton H Rughee	do	4
	David C. Hanawalt	do	ŝ
	Thos. Redmond	do	1
	Howard D. Ebey	do	
	Wilton F. Crewe	do	3
	Wm.G.Shaw	do	6
	Geo. C. Moser	do	3
	Boton I Konshnon	do	2
	Leglie I Allen	do	3
	R A Ramsay	do	5
	Isaac W. O'Rourke	do	7
	do Jno J. Hayes Jno McBirney Clinton H. Bugbee David C. Hanawalt Thos. Redmond Howard D. Ebey Wilton F. Crewe Wm. G. Shaw Geo. C. Moser Ernest J. Foreman Peter I. Kershner Leslie J. Allan R. A. Ramsay Isaac W. O'Rourke Warren J. Fretz Louis K. Green A. D. Melvin	do	3
	Louis K. Green	do	1
	A. D. Melvin	do	11
	Lewis L. Bullard	do	9
	W.L. West	do	9
	Patk. F. Tormey	Services	2
	Louis K. Green A. D. Melvin Lewis L. Bullard W. L. West Patk, F. Tormey E. C. Hibbard L. H. Francis Moses A. Reed E. Med Donald	meals, etc	3 2
	Moses A Reed	Services	
	E. MacDonald	Meals, etc	9
	E. MacDonald C. F. Lynch Harry B. Musk J. B. Losaw McManus Bros D. B. C.	do	2 4 1
	Harry B. Musk	Lime	i
	J. B. Losaw	Services	1
	McManus Bros	Use horse, etc	1
	Rutland R. R. Co Michigan Southern R. R. Co	Use horse, etc. Passenger transportationdo	2
	Michigan Southern R. R. Co	Dutton	2
	Jas. Rowland & Co		19
	F. P. Shea New England Telephone and Telegraph Co- Union Stock Yard and Transit Co- Southern Rwy Co	Cattle Service	12 5
	Union Stock Vard and Transit Co	Coal	9
	Southern Rwy. Co	Passenger transportation	1
	Pennsylvania R. R. Co	do	2
	Southern Rwy. Co.  Pennsylvania R. R. Co.  do.  Jas. F. Hughes  Robt. H. Treacy.	Coal Passenger transportation do do Traveling expenses	2
28	Jas. F. Hughes	Traveling expenses	
	Robt. H. Treacy		4
	Rice P. Steddom Don C. Ayer	do	6
		do	3

Date.	Name.	Nature of payment.	Tota
1903.			
n. 28	H. M. Rowe	Traveling expenses	\$48
	Rice P Steddom	Expenses	14
	F. W. Ainsworth Wm. E. Pratt American Tag Co	Hog ringers.	14
	American Tag Co	Tags	79 88
	Geo P. Connor	Mare	12
	Geo. P. Connor Perry Sickels Iron Crow	do	18 18
	Iron Crow	do	24
200	Jno. L. Pingry The G. F. Blake Manufacturing Co	Cattle	1,05
29	The G. F. Blake Manufacturing Co	Services Pigs	41 52
	David Hiatt, jr The American Distributing Co.	Alcohol	2
		Tickets	10
	Jas. S. Topham  Wyckoff, Seamans & Benedict C. C. Dearborn	Bags	103
	Wyckoff, Seamans & Benedict	Paper, etc	100
	C. C. Dear born	Meals, etc	9
	do New England Brick Co W. H. Hutt.	do Wood Services	80
	W H Hutt	Services	50
	Benj. F. Day Frank D. Barr C. E. Marion	Cattle	4
	Frank D. Barr	Meals, etc Cattle	5 10
	C. E. Marion	Cattle	10
	Jas. McFlynn	do	29
	C. E. Marion Jas. McFlynn Emory J. Whitney Massachusetts Reformatory Andrew Hyde Jas. M. Pickens M. E. Knowles Geo. E. Howard & Co E. J. Brooks & Co. The Friedenwald Co	do	1,78
	Andrew Hyde	Traveling expenses	9
	Jas. M. Pickens	do	5
	M. E. Knowles	do	5 2
31	Geo. E. Howard & Co	Labels	80
	The Friedenwald Co	Stamps	1,29
	Valley Paper Co	Paner	1,29
	Valley Paper Co Chadwick Copying Book Co Marion Dorset et al	Paper Books	4
	Marion Dorset et al	Salaries	5, 37 11
. 2	B. B. Bagby	Traveling expenses	119
	Jos. J. Rieman	Services	2.
	F W Bicknell	do	10 25
	Marion Dorset et al B. B. Bagby Jos. J. Rieman Wm. J. Kennedy F. W. Bicknell F. Fitzpatrick Fredk. S. Converse Orlando E. Patch Walter E. Babon	do	1.
	Fredk. S. Converse	Cattle	$\frac{1}{2.04}$
	Orlando E. Patch	do	-1,30
	Walter F. Baker	do	1.11
	Geo F Jones	do	1,09
	Geo. F. Walker	do	67
	Walter F. Baker Jas. Glennie. Geo. E. Jones Geo. F. Walker Arthur C. H. Jones Chas. V. Flagg J. W. Parker	do	68
3	Chas. V, Flagg	do	50:
	J. W. Parker	do	44
	J. W. Parker Andrew Peterson Anton Olsen Geo. W. Marshall Arthur W. Drew Franklin Rubber Co E. & F. King & Co	do	33 31 30
	Geo W Marshall	do	30
	Arthur W. Drew	-do	23
	Franklin Rubber Co E. & F. King & Co	Boots and coats	23
			23 123
	Robert Brennan W. E. Williams	Cattle	109
	W. E. Williams Berry & Ferguson Edw. A. Felton New York and New Jersey Telephone Co. Jas. K. De Wolf T. C. Thornton W. A. Barling M. R. Yowell R. L. Graves Jno. S. Buckley Levi Wells. W. D. Collyer M. W. Lang B. F. Van Valkenburg The Friedenwald Co Chicago Car Seal Manufacturing Co.	Lime, etc	103 86 15
	Edw. A. Felton	Lime, etc Services	1
	New York and New Jersey Telephone Co	Service	52
	Jas. K. De Wolf	Mare	43
	T. C. Thornton	Pigs Mare	1:
	W.A. Daring	Pigs	90
	R. L. Graves	Mare	20
4	Jno. S. Buckley	MareTraveling expenses	25
	Levi Wells	Servicesdo	12a 200
	W.D. Collyer	do	200
	R F Van Valkenburg	do	12: 150
	The Friedenwald Co	Certificates	300
	Chicago Car Seal Manufacturing Co.	Seals	300 29 39 62
	Barber & Ross	Nails Hauling coal Cows and goats Services	
	A. Wilson & Bros A. W. Pope Arthur W. Drew Ridge Hill Farms	Hauling coal	39
	A. W. Pope	Cows and goats	62
	Ridge Hill Farms		4,780
	P. B. Howard	do	756
	P. B. Howard M. T. Garland W. C. Boyce J. Otis Jacobs	do	104 388 22
		,	000

Expenditures of Department of Agriculture for year en ling June 30, 1903—Cont'd.

ate.	Name.	Nature of payment.
903.	Allen A. Holcombe Warren Worcester Henry J. Washburn D. E. Salmon J. J. Fitzgerald Jen Mekelsen E. A. Dudley David A. B. Ayer E. W. Pope Henry H. Sprague Joseph Wedge H. A. McMaster Robt. Bremnan A. McDaniel G. W. Ward	
5. 5	Allen A. Holcombe	Traveling expenses
	Warren Worcester	dodo
	Henry J. Washburn	do
	D. E. Salmon	Expenses
	J.J. Fitzgerald	Cattle
	E A Dudley	do
	David A. B. Aver	do
	E. W. Pope	do
	Henry H. Sprague	do
	Joseph Wedge	do
	H. A. McMaster	Lime
	Kobt. Brennan	Services
	G W Word	Convious
	H D Mayne	do
	Wm. H. Mayne	do
	C. L. Morin	do
	Willis B. Lincoln	do
	Fredk. T. Dolan	do
	F. W. Hopkins	do
	Murray J. Myers	do
	Robt. Brennan A. McDaniel G. W. Ward H. D. Mayne Wm. H. Mayne C. L. Morin Willis B. Lincoln Fredk. T. Dolan F. W. Hopkins Murray J. Myers Jos. M. Turner Geo. S. Hickox Jno. McBirney Matt. S. Lantz Nathl. B. Smith Thos. White Warner Worcester R. A. Ramsay	do
	Jno McRirney	do
	Matt S Lantz	do
	Nathl. B. Smith	do
	Thos. White	do
	Warner Worcester	do
	R. A. Ramsay	do
	J. Otis Jacobs	do
	N. L. Townsend	do
	H M Powe	0D
	Isaac W O'Ronrko	do
	David C. Hanawalt	do
	A. J. Pistor	do
	Walter E. Howe	do
	Jno. J. Hayes	do
	H. J. Hammond	do
	Frank C. Eells	do
	Lowell Clarke.	0 do
	Por N Duelso	00 do
	Clinton H Bughee	do
	Geo A Rond	do
	A. J. Smith	do
	Fred O. Pettev	do
	Howard D. Ebey	do
	W. R. Dennis	do
	David R. Hodges	do
	Wm. Pflaeging	Calarias
	The Cester	Sarries
	Leslie J Allen	do
	Geo. E. Totten	do
	Geo. W. Browning	do
	Arch, H. Wallace	do
	Louis Metsker	do
	Harry B. Adair	do
	Peter I. Kershner	do
	Louis A. Kiein	0
	Wm G Shaw	do
	Clarence A Clawson	do
	Western L. Johnson	do
	Ernest J. Foreman	do
	Nathl B. Smith Thos. White Warner Worcester R. A. Ramsay J. Otis Jacobs N. L. Townsend Robt. H. Treacy H. M. Rowe Isaac W. O'Rourke David C. Hanawalt A. J. Pistor Walter E. Howe Jno. J. Hayes H. J. Hammond Frank C. Eells Lowell Clarke Arthur R. Gleisyer Roy N. Drake Clinton H. Bugbee Geo. A Bond A. J. Smith Fred O. Pettey Howard D. Ebey W. R. Dennis David R. Hodges Wm. Pflaeging Albert Dean et al Thos. Castor Leslie J. Allen Geo. E. Totten Geo. W. Browning Arch. H. Wallace Louis Metsker Harry B. Adair Peter I. Kershner Louis A. Klein Thos. A. Bray Wm. G. Shaw Clarence A. Clawson Western L. Johnson Ernest J. Foreman Morey A. Sappington Wm. D. Jorden Dan McCunningham Geo. C. Moser Harry L. McDonald Chas. N. Brown	do
	Wm. D. Jorden	do
	Dan McCunningham	do
	Dan McCunningham Geo. C. Moser Harry L. McDonald Chas, N. Brown Allen A. Holcombe Boyd Baldwin et al Chas. A. Schaufler et al W. H. Rose et al H. A. Hedrick et al Jos. M. Good et al Edwd. P. Dowd et al	do
	Harry L. McDonald	do
	Unas, N. Brown	00
6	Royd Reldwin et al	Salaries
0	Chas A Schaufler et al	do
	W. H. Rose et al	do
	H. A. Hedrick et al	do

# $Expenditures \ of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1903-{\rm Cont'd.}$

te.	Name.	Nature of payment.	Total.
3.	Julius Huelsen et al. A. E. Behnke et al. Bernhard P. Wende et al. Saml. E. Bennett et al. Harry N. Waller et al. Jno. Forbes et al. W. B. Niles et al. Geo. W. Pope et al. Geo. W. Pope et al. Geo. C. Faville et al. Louis K. Green et al. Nathan K. Fegley et al. Joshua Miller et al. F. L. De Wolf et al. W. P. Ellenberger et al. W. P. Ellenberger et al. W. J. Murphy et al. W. S. Cass et al. Edw. P. Schaffter et al. Edw. P. Schaffter et al. Lewis R. Baker et al. W. H. Gibbs et al. Trojan A. Shipley et al. Thos. J. Turner et al. Jas. J. Brougham et al. Geo. Ditewig et al. Fredk. W. Annsworth et al. Jas. Johnson et al. W. S. Cass Woodward & Lothrop. do. Clark & Davenport M. O. Anderson. do. H. T. Potter. UNA A. Bell		
6	Julius Huelsen et al	Salaries	\$687.
	A. E. Behnke et al.	do	1,333.
	Bernhard P. Wende et al	do	1, 753. 2, 285.
	Horry N. Woller et al	do	2, 280. 2, 809.
	Ino Forbes et al	do	3,160.
7	W B Niles et al	do	480.0
1	Geo. W. Pope et al.	do	354.3 301. 285.
	Geo. C. Faville et al	do	301.
	Louis K. Green et al	do	285.
	Nathan K. Fegley et al.	do	260.
	Joshua Miller et al	do	260.
	F. L. De Wolf et al	do	238. 198.
	W. P. Ellenberger et al.	do	198.
	W. I. Mumby et al	do	189
	Inc S Kally at al	do	182. 182. 182.
	Richd J Blanche et al	do	182.
	Fredk. Bragington et al	do	182.
	W. S. Cass et al	do	182.
	Edw. P. Schaffter et al	do	631.
	Lewis R. Baker et al	do	1,047.
	Wm. Thompson et al	do	1,059.
	W. H. Gibbs et al	do	165. 327.
	Trojan A. Shipley et al.	do	327.
	Thos. J. Turner et al.	do	852.
1	Jas. J. Brougham et al.	do	1, 474. 198.
	F W Huntingham et al	do	155.
	Geo Ditewig et al	do	275.
	Fredk W Amsworth et al	do	365
	Jas Johnson et al	do	365. 2,087.
	W. S. Cass	Use horse and buggy	34.
	Woodward & Lothrop	Towels	55.
	do	Desk	55. 15.
	do	Maps	4.
	The Oliver Typewriter Co	Typewriter	75.
	Clark & Davenport	Linoleum	34.3
	M. O. Anderson	Expenses	
	II m D +++	Services	120.
	Inc. A. Poll	do	6. 24.
	D. Cumming	do	80.
	Chas H Zink	do	137
	Frank H. Harlinger	do	137. 62. 62. 120.
	Herman V. Persells	do	62.
	Geo. W. Butler	do	120.
	Geo. E. Wager	do	62.
	Geo. M. Dishong	do	62. 62.
	Frank L. Shipp	do	62.
	Ernest L. Valgenau	do	120.
	Alloant Traggell	mli-	14. 128.
	Geo W Pone	do do	128.
	R. W Hickman	do	3.
29	do do The Oliver Typewriter Co. Clark & Davenport M. O. Andersondo H. T. Potter Jno. A. Bell D. Cumming Chas. H. Zink Frank H. Harlinger Herman V. Persells Geo. W. Butler Geo. E. Wager Geo. M. Dishong Frank L. Shipp Ernest L. Valgenau Chas. C. McKeon Albert Hassall Geo. W. Hotekman A. B. Morse. United States Express Co. The Geo. W. Knox Express Co Radolph, West & Co. Rudolph, West & Co. Rudolph, West & Co. Rudolph & Stephenson Geo. E. Howard & Co Thos. Somerville & Sonsdo Clilman	Expenses	9.
	United States Express Co.	Transportation	18,
	The Geo. W. Knox Express Co	do	
	E. G. Schafer & Co.	Pipe	4.
	Rudolph, West & Co	Bolts, etc.	43.
	W. B. Moses & Sons	Chair	3.
	Church & Stephenson	Lumber	69.
	Geo. E. Howard & Co	Labels	800.
	Thos. Somerville & Sons	Brass unions	4. 2.
	7 D Gilmon	Cylphoto othor	41.
	Wm R Flaming	Sarvices	102
	Jas. W. Davis	do	103. 77.
	Wm. F. Kutzer	do	•)
	Chas. Cowie	do	104.
	Frank D. Ketchum et al.	Salaries	1,080,
	Jos. B. Clancy et al.	do	2 967
	J. C. Milnes et al	do	638. 1,017. 3,987.
	A. J. Payne et al	do	1,017.
		1	
	Don C. Ayer et al	do	3.981.
	Don C. Ayer et al Arthur B. Morse et al	dodo	182.
	Don C. Ayer et al Arthur B. Morse et al Chas. Cowie	do do Trayeling expenses	182, 13,
	Thos. Somerville & Sons	do	3, 987. 182. 13. 186. 64,

 $Expenditures of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30, 1903-Cont'd.$ 

BUREAU OF	ANIMAL	INDUSTRY, SALARIES.	ETC.—Continued.
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ite.	Name.	Nature of payment.	To
03.			
. 10	Chas. Keane et al. Niels C. Sorensen et al. Richd. W. Tuck et al. O. E. Dyson et al. A. R. Wake et al. A. G. Richardson et al. L. L. Pittroctrials et al.	Salaries	\$4
	Niels C. Sorensen et al	do	1,8
	Richd. W. Tuck et al	do	1,8
	O. E. Dyson et al.	do	9,4
11	A. R. Wake et al	do	9,4 1,4 8,1
	A. G. G. Richardson et al	do	8,1
	J. J. Fitzpatrick et al.	do	1.7
2.0	American Ice Co	lce	-, -
12	Warren J. Fretz	Traveling expenses	
	H. H. Collins	ao	
	H.J. Hammond	do	
	Anthon C. Hant	ao	
	E I Procedi		- 1
	C H Zink	do	1
	S P Parech	do	
	Murray J Myers	do	
	Thos Covle	do	
	Harry O Thompson	do	
	do	đo	
	Saml. E. Bennett	do	
	F. M. Perry	do	
	J. Wm. Fink	do	
	A. G. G. Richardson et al J. J. Fitzpatrick et al A. G. G. Richardson et al J. J. Fitzpatrick et al American Ice Co Warren J. Fretz. H. H. Collins H. J. Hammond Wm. F. Pflaeging Arthur C. Hart F. L. Russell C. H. Zink S. R. Burch Murray J. Myers Thos. Coyle Harry Q. Thompson do Saml. E. Bennett F. M. Perry J. Wm. Fink A. G. G. Richardson Thos. J. Turner C. H. Zink W. B. Niles	Expenses	
	Thos. J. Turner	do	
	C. H. Zink	do	
	W.B. Niles	do	
	Boyd Baldwin	do	
	Saml. E. Bennett	Use horse, etc	
	Wyckoff, Seamans & Benedict	Adjusting typewriter	
	Adams Express Co	Transportation	
14	Henry J. Armsby et al	Salaries	$\frac{2}{6,1}$
	Walter J. Stewart et al	do	6,1
	Geo. S. Baker et al.	do	1 4
	O. B. Hess et al	do	1
	E. N. Hutchinson et al.	do	4
	Clarence Loveberry et al	do	4
	Jas. Fleming et al	do	8
	Harry B. Paxson et al	do	8 6 4
	E. T. Davison et al	-ao	4
	Geo. N. Whitaker	Services	
	W E Hill	do	2
	I F Troughton	do	1
	Chas L. Reinonl	do	
	Harvey F Hume	do	
	Reni J Glavin	do	
	Jas J Rieman	do	
	Patk. Dorsey	do	
	Jno. F. Fee	do	
	W. B. Niles Boyd Baldwin Saml. E. Bennett Wyckoff. Seamans & Benedict Adams Express Co. Henry J. Armsby et al Walter J. Stewart et al Geo. S. Baker et al Geo. S. Baker et al C. B. Hess et al E. N. Hutchinson et al E. N. Hutchinson et al E. T. Davison et al Geo. N. Whitaker E. T. Davison et al Geo. N. Whitaker Edw. A. McDonald W. E. Hill J. E. Troughton Chas L. Reinonl Harvey F. Hume Benj. J. Glavin Jas. J. Rieman Patk. Dorsey. Jno. F. Fee U. G. Houck P. A. Sprague Benj. Derby C. M. Beldon L. W. Perkins N. L. Martin	do	1
	P. A. Sprague	Meals	
	Benj. Derby	Cattle	1,0
	C. M. Beldon	do	5
	L. W. Perkins	do	- 5
	N. L. Martin	do	$\frac{5}{1.3}$
	L. W. Ferkins N. L. Martin Jas. Mattie C. W. Drew R. F. Perkins Jas. A. Cullen	do	5
	C. W. Drew	do	4
	R. F. Perkins	do	3
	Jas. A. Cullen	Team	1
	Jacob Shapiro	Cow	
	Jas. B. Wood & Sons Co	Lime	
	ao	Team	
	Geo. W. Toomey	Team	
	Jno. La Pierre	Meals	
	Jno. J. Forrest	Creolin	
	W.F. Loud	Services Meals, etc	
	Jas. J. MacGregor	Meals, etc	
	R. F. Perkins Jas. A. Cullen Jacob Shapiro Jas. B. Wood & Sons CododoGeo. W. Toomey Jno. La Pierre Jno. J. Forrest W. F. Loud Jas. J. MacGregor Ames Plow CoEastern Drug Co Barker Lumber CoCampbell, Morrell & CoPassaic Feed Co W. H. Gould Iron White ManFlying Horse	Shovels	
	Paylor I umbor Co	Lime	
	Campbell Monnell & Co	do.	
	Paggaia Food Co	Oats ota	
	W H Could	Oats, etc Mare	
	Ivon White Men	do	
	Flying Horse	do	
	Flying Horse Richard Good Soldier Whirlwind Man	do	
	Whirlwind Man	do	
	Lost Bear	Stallion	
	Jno. B. Sine	Use horse, etc	

ate.	Name.	Nature of payment.	Tota
903.			
b. 14	Chas. Hacker Chas. Keane F. D. Kelchum Robt, Darling H. A. Hedrick A. McDaniel St. Louis National Stock Yards F. Auerbach & Bro. New York Telephone Co. Jas. J. Brougham Albert E. Behnke Jas. W. Davis. Don C. Ayer Chicago Car Seal and Manufacturing Co. Russell G. Merrill Wm. Lochte Clarence A. Clawson David R. Hodges Edw. A. McDonald C. L. Morin G. W. Ward Chas. A. Brown E. L. Valgenau Geo. S. Hickox L. A. Rogers U. G. Honck	Use horse, etc	81
	Chas. Keane	do	2
	F. D. Kelchum	do	2
	Robt. Darling	do	2
	A McDaniel	Pige	4
	St Louis National Stock Vards	Office rent	5
	F. Auerbach & Bro	do	3
	New York Telephone Co	do	1
	Jas. J. Brougham	Use horse, etc	4
	Albert E. Behnke	do	3
	Jas. W. Davis	do	1
	Don C. Ayer	do	14
	Chicago Car Seal and Manufacturing Co.	Seals	1
	Wm Lochto	Shootner horse ota	1
	Clarence A Clawson	Traveling expenses	1
	David R. Hodges	do	1
	Edw. A. McDonald	do	10
	C. L. Morin	do	
	G. W. Ward	do	1
	Chas. A. Brown	do	1
	E. L. Valgenau	do	1
	Geo. S. Hickox	do	8
	L. A. Rogers	do	8 1 15
	Frank I. Shinn	do	2
	W D Collver	do	5
	A. J. Richard & Son	Lime	5
16	M. W. Lang	Traveling expenses	8
	Levi Wells	do	11
	Jos. W. Parker	do	10
	Geo. W. Browning	do	
	E. L. Valgenau Geo. S. Hickox L. A. Rogers U. G. Houck Frank L. Shipp W. D. Collyer A. J. Richard & Son M. W. Lang Levi Wells Jos. W. Parker Geo. W. Browning Albert Dean Ernest N. Hutchinson Chas. M. Day Geo. S. Baker Henry R. McNally W. P. Ellenberger F. O. Pettey Andrew Hyde Adolph Eichhorn H. S. Locke & Son Dunn, Green & Co J. O'Leary Jno G. Long	do	1
	Char M. Dar	do	1
	Goo S Balzon	do	1
	Henry R McNally	do	
	W P Ellenberger	do	
	F. O. Pettev	do	3
	Andrew Hyde	do	4
	Adolph Eichhorn	do	9
	H. S. Locke & Son	Lime	3
	Dunn, Green & Co	do	
	J. O Leary	Services	
	I Worley Delboy	Photo	
	Wm Krafft	Coverslin	
	Jno Underwood & Co	Mare Coverslip Paper Transportation Photos	
	The Geo. W. Knox Express Co.	Transportation	
	Leo. Baum	Photos	
	Chas. R. Edmonston	Tubes Labels	1:
	Geo. E. Howard & Co	Labels	80
	W.G.Simonson	Mare	20 2
	J. O'Leary Jno. G. Long J. Wesley Dolbey Wm. Krafft Jno. Underwood & Co The Geo. W. Knox Express Co Leo. Baum Chas. R. Edmonston Geo. E. Howard & Co W. G. Simonson G. R. Thatcher C. H. Zink	Mare Pigs Expenses	2
	C. H. Zink W. H. Rose S. E. Bennett Geo. W. Pope E. N. Hutchinson E. A. de Schweinitz Geo. S. Hickox Dennison Manufacturing Co The American News Co Wolf Bros Eimer & Amend C. O. Durfee Albert N. Irwin L. Enos Day Rice P. Steddom L. Enos Day	Expenses	1
	S E Bennett	do	1
	Geo W Pone	do	
	E. N. Hutchinson	do	11
	E. A. de Schweinitz	do	11
	Geo. S. Hickox	do	1
17	Dennison Manufacturing Co	Tags	1
	The American News Co	Clips	_
	Wolf Bros	Envelopes	3
18	C O Durfoo	Clamps, etc	33
18	Albort N. Inwin	Travening expenses	11: 13:
	L. Enos Day	do	10
	Rice P Steddom	do	5 13
	L. Enos Day	do	39
	L. Enos Day Chas, B. Hutchinson Andrew Hyde Frank H. Burleigh	do	3: 7: 2: 1:
	Andrew Hyde	do′	2
	Frank H. Burleigh	do	ĩ
	M. Imes	do	113
	Frank H. Burleigh M. Imes: Jno. V. Laddey Wm. L. West H. A. Christman Fredk L. Stevens N. L. Townsend	do	109
	Wm.L. West	do	100
	H. A. Christman	do	170 3

 $Expenditures of \ Department \ of \ Agriculture for \ yea \cdot ending \ June \ 30, 1903 - {\tt Cont'd}.$ 

## BUREAU OF ANIMAL INDUSTRY, SALARIES, ETC.—Continued.

F

Date.	Name.	Nature of payment.	Total.
1903.	Win. G. Shaw H. M. Rowe Louis A. Klein Lesley J. Allen Geo. E. Totten Arch H. Wallace Thos. Castor Henry E. Alvord H. D. Mayne E. T. Davison Clinton H. Bugbee Lowell Clarke Walter E. Howe. Robt. T. Treacy Jno. J. Hayes Harry L. McDonald Louis Metsker M. A. Sappington Geo. C. Moser Allan A. Holcombe Julius Huelsen Union Stock Yards and Transit Co. A. P. Little S. W. Burt W. A. Willard Fuller Bates Clr. Hansen's Laboratory		
Feb. 18	Wm. G. Shaw	Traveling expenses	\$30.3
	H. M. Rowe	do	31. 8
	Louis A. Klein	do	39. 5
	Geo. E. Totten	do	24. 4 37. 5
	Arch H. Wallace	do	20.2
	Thos. Castor	do	39. 6
	Henry E. Alvord	do	128.9
	E T Davison	do	20.4 76.6
	Clinton H. Bugbee	do	76.5
	Lowell Clarke	do	6, 2
	Walter E Howe	do	6.2
	Robt. T. Treacy	do	39. 6
	Jno. J. Hayes.	do	24, 6 18, 1
	Lonis Metsker	do	95. 3
	M. A. Sappington	do	7. 7
	Geo. C. Moser	do	7. 7 50. 8
	Allan A. Holcombe	Expenses	1.3
	Julius Huelsen	do	7.8
	A P Little	Ink ote	24.0
	S. W. Burt	Use horse etc	4. 4 25. 0
	W. A. Willard	Services	33. 8
	Fuller Bates Chr. Hansen's Laboratory Jno. C. Lorenzen Stock Yards Paint Co	Ferment	40.0
	Chr. Hansen's Laboratory	Ferment	35. 1
	Jno. C. Lorenzen	Use horse, etc.	35, 1
	O F Dyson	Tags and knives	4. č
	O. E. Dyson New York, New Haven and Hartford R. R.	Tags and knives Use horse Passenger transportation	4. 8 25. 0 36.
	Co. Nashville, Chattanooga and St. Louis Rwy.		8.3
	Co.	The second of th	
	Boston and Maine R. R. Co Union Pacific R. R. Co Baltimore and Ohio R. R. Co	Transportation	1. 4
	Baltimore and Ohio R. R. Co	do	. 4
	do	do	2.8
	do. Chicago, Indianapolis and Louisville Rwy. Co.		. 6
	Merchants and Miners' Transportation Co.	do	5. 6
	New York, New Haven and Hartford R. R.	do	1. 5
	Co.	3.	0.6
	Chiange and Alten P. P. Co	do	3.9
	Co. Illinois Central R. R. Co Chicago and Alton R. R. Co The Atchison, Topeka and Santa Fe R. R.	do	. 7
	Co. Burlington Route Missouri Lines	do	2.8
19	J. F. Ryder	Traveling expenses	30.0
	do	Services	172.0
	J. P. Nawrath	Twine	6.5 100.6
	Pennsylvania R. R. Co	Passenger transportation	100.6
	The Missouri Pacific Rwy, Co.	do	3. 7 11. 6
	Chicago and Northwestern Rwy. Co	do	38.8
	Southern Rwy. Co.	dodo	63. 9
	do	do	50. 9
	Co. Burlington Route, Missouri Lines. J. F. Ryder do J. P. Nawrath Pennsylvania R. R. Co. Atlanta, Knoxyille and Northern Rwy. Co. The Missouri Pacific Rwy. Co. Chicago and Northwestern Rwy. Co. Southern Rwy. Co. do The Chicago, Burlington and Quincy R. R. Co.	do	3. 9
			14.0
	Terre Haute and Indianapolis R. R. Co	do	26. 8 35. 0
	Pennsylvania Co	do	35.0
	The Chesapeake and Ohio R. R. Co. Terre Haute and Indianapolis R. R. Co. Pennsylvania Co. Chicago, St. Paul, Minneapolis and Omaha Rwy, Co. Central R. R. Co. of New Jersey Norfolk and Western Rwy, Co. Chicago, Milwaukee and St. Paul Rwy, Co. Lehigh Valley R. R. Co. J. F. Shea	do	6. 8
	Central R. R. Co. of New Jersey	do	18.0 5.3 25.0 9.3
	Norfolk and Western Rwy. Co.	do	9. 6
	Lahigh Valley R. R. Co.	do	20.0
20	J F Shea	Hogs	120.0
20	Geo. E. Howard & Co	Labels	120.0 $1,040.0$
	Lehigh Valley R. R. Co J. F. Shea Geo. E. Howard & Co Chicago Car Seal Manufacturing Co. W. D. Jorden Patk H. Mullowney. F. W. Bicknell Jennie M. Shufeldt Veturia E. Boyd Margret Enright Laura D. Burke G. S. Robinson	Seals	100.4
	W.D.Jorden	Traveling expenses	49. 4 62. 0
	Patk. H. Mullowney	do	62.0
	F. W. Bicknell	Couries	314.9
	Veturis E Royd	do de	25. 0 28. 3
	Margret Enright	do	10.0
	Laura D. Burke	do	13. 3
	G. S. Robinson.	Meals, etc	12.0

Date.	Name.	Nature of payment.	Total.
1903.			
Feb. 20 21	J. B. Wood & Son Co W. H. Wray Caroline Burnaby Tooie A. Geddes. F. L. Russell Ernest Betz F. L. Russell L. R. Baker W. L. Johnson W. H. Wray Tooie A. Geddes. Henry J. Washburn C. G. Robinson Jos Hiatt, sr	Lime	\$3.4 387.5
21	W. H. Wray	Services	387.5
	Caroline Burnaby	do	40.0
	Toole A. Geddes.	do	172. 20 168. 00
	F. L. RUSSell	In an hoton	90.00
	ETI Precell	Traveling expenses	90,0
	I. R Baker	do	96. 30 3. 30 10. 50
	W. L. Johnson	do	10.50
	W. H. Wrav	do	12.20
	Tooie A. Geddes	do	194.7- 82.98 25.00
	Henry J. Washburn	do	82.98
24	C.G. Robinson	Mare	25.00
	Jos. Hiatt, sr	Pigs	12.0
	Half Rope	Mare	12.00 17.00 15.00
	H. Crow S. A. De Freese	Corn	8.00
	Jos M I ovolody	Pigg	10.00
	Wyckoff Saamans & Banadiet	Pigs Typewriter Boxes Meals, etc	92. 2
	Geo E Howard & Co	Boxee	200.0
	E C Hibbard	Meals etc	203.0
	5. A.De Freese Jas. M. Lovelady Wyckoff, Seamans & Benedict Geo. E. Howard & Co E. C. Hibbard. Alvah G. Wheeler City of Marlborough J. Cushing & Co Agnor Aldrich	Cattle	931.0
	City of Marlborough	Services	139, 2
	J. Cushing & Co	Services Lime	139. 2 13. 2
	Aaron Aldrich Maggie E. Stiles Chas. V. Willoughby Lewis Mayo	Wood	4.0
	Maggie E. Stiles	Meals Services do	8.2
	Chas. V. Willoughby	Services	8.0
	Lewis Mayo	do	14.0
	Spramotor Co F. H. Donnelly Dennis J. Dewire A. A. Goodell	Pump. etc	29.1
	F. H. Donnelly	Meals, etc Services Wood, etc	14.0 35.0
	Dennis J. Dewire	Services	55. U e≃ 9
	Clarence Moore	Services	67. 2 37. 2 3. 5
			91.2
	A. Bailey G. A. Boynton	do	98.8
	C.B. Robbins	do	25. 0
	Jno, Harris	do	78, 2
	A. M. Teele	do	60, 0
	Jno. Harris A. M. Teele N. Ward Co A. Bailey	do	55.0
	A. Bailey	Meals, etc	12.0
	Jas. W. Gould Chas. T. Holt	Wood	19.80
	Chas. T. Holt	Wooddo	57.0
	Geo. E. Jones		22.4
	Jas. E. McGovern	Services.	5.0 9.0
	Jas. E. McGovern Wm. H. Morgridge Jno. Ford	do do	73. 0
		Lodging Meals, etc Lodging Lime Services	9, 0
	Jennie Hager	Meals etc	50.0
	Jennie Hager J. A. Murray C. H. Spring	Lodging	9, 0
	C. H. Spring	Lime	15.0
		Services	45.0
	Alfred Archer		28.00
	Wm. Devall	do	14.00
	Alfred Archer Wm. Devall Jno. A. Gould	do Wood Meals, etc	21.9
	Arthur Jones	Meals, etc	68.5
	Caslidge Pres	T in a	38, 50 5, 50
	I B Wood & Son Co	Lime	3. 4
	D E Salmon	Evnences	39. 7
	do	do	8.0
	E. T. Davison	do	12.0
	Wm. A. Wade	do	48.5
	Fredk. W. Ainsworth	do	4.8
	D. E. Salmon	do	4. 8 81. 3
	J. B. Clancy	do	1.2
	Boyd Baldwin	Traveling expenses	10.13
	Jno. McBirney	do	10. 1 33. 0 28. 5
	Wm C Show	do	28.5
	Isaac W O'Ponuko	do	18.40
	Warner Worcester	do	27. 4 74. 2 40. 1
	Arthur Jones Margaret Engel Coolidge Bros J. B. Wood & Son Co D. E. Salmondo E. T. Davison Wm. A. Wade Fredk. W. Ainsworth D. E. Salmon J. B. Clancy Boyd Baldwin Jno. McBirney F. W. Hopkins Wm. G. Shaw Isaac W. O'Rourke Warner Worcester Allen A. Holcombe Nath. B. Smith	do	40.1
	Nathl R Smith	do	98 "
	A. D. Melvin	do	28. 7 82. 0 7. 5
	W. F. Jones	do	7 5
	R. A. Ramsay	do	34. 7
	R. W. Hickman	do	3. 7
	Allen A. Holcombe Nathl. B. Smith. A. D. Melvin W. F. Jones R. A. Ramsay R. W. Hickman J. H. Brigham Hulbert Young Walter H. Hersey	do	11.5
	Hulbert Young	do	100.9
	Walter H. Hersey	do	66.0

# $Expenditures of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1903-{\tt Cont'd}.$

Date.	Name.	Nature of payment.	Tota
903.			
b. 24	Jno. B. Sine	Traveling expenses	\$10
			\$10 2
25	Chas. F. Flocken	do	20
25	Geo. M. Disnong Chas. F. Flocken Lewis L. Bullard J. Otis Jacobs Harry H. Dell Geo. M. Ruffin Jas. C. Cowgill, administrator Lenz & Lassan	do do	9
	J. Otis Jacobs	Commission	9
	Goo M Ruffin	Services	6
	Jas C Cowgill administrator	do	2
	Lenz & Lassan Forsberg & Murray Jas. B. Lambie	Forceps	
	Forsberg & Murray	Boiler	44
	Jas. B. Lambie	Shovels Tubing	1
	do	Tubing	
	Chicago Car Seal Manufacturing Co	Presses	
	The American News Co P. A. Sprague Dunn, Green & Co Thos. E. Wilber Almond Bailey E. E. Mills Jas. H. Ludham M. O'Mahoney	Clips Meals	2
	Dunn Green & Co	Limo	6
	Thos. E. Wilber	Lime Meals, etc	12
	Almond Bailey	Services	2
	E. E. Mills	Services Meals, etc	10
	Jas. H. Ludham	Services	
	M. O'Mahoney	do	18
200	E.J. Roberts	Meals, etc	20
26	Jas. H. Ludnah. M. O'Mahoney E. J. Roberts E. C. Schroeder Ernest J. Foreman Henry J. Washburn Horace H. Collins Flackurd Fabor	Meals, etc. Expenses Trayeling expenses	
	Honry I Washburn	Traveling expenses	47
	Horace H Collins	dodo	•
			4
	C. H. Hampton Baker Furniture Co	Pigs	2
	Baker Furniture Co	Pigs	2
	Elias Antrim	Pigs	:
	E. P. Curtis	do	1
	Electro Tint Engraving Co. (Incorporated). Wyckoff, Seamans & Benedict. Geo. E. Howard & Co.	Illustrations Repairing typewriter	46
	Wyckoff, Seamans & Benedict	Repairing typewriter	- 1
	D Frank Parker	Labels Paper	56
	D. Frank Parker Jas. A. Cullen B. F. Gifford	Services	5
	B. F. Gifford	do	2
	John J. Busch	do Meats, etc	9
	Chas. L. De Normandie	Cattle	48
	Chas. L. De Normandie Medfield Insane Asylum	do	$\frac{48}{3,54}$
28			5,03
r. 2	F. W. Bicknell	Service	25
	W. D. Collyer	do	$\frac{20}{15}$
	Low Wolls	do	12
	Marion Dorse et al F. W. Bicknell W. D. Collyer B. F. Van Valkenburg Levi Wells M. W. Lang Distribution	do	12
3	Distribution	Mare	1
	Chas. Huburger	Gasoline	9
	A. J. Silcock	Mare	2
	W.C.Garrett	do	4
	Edison Electric Infilmmation Co Chas, Huburger A. J. Silcock W. C. Garrett Running Hawk	do	$\frac{1}{4}$
	Thos. Tyon H. M. Brindley J. F. Turner	do do	2
	J.F. Turner	do	9
	Chicago Car Seal Manufacturing Co	Car seals	12
	Chicago Car Seal Manufacturing Co The Friedenwald Co	Car seals Stamps	12 93 6
	E. J. Brooks & Co.	Seal	6
	P. N. McNatt do The Chesapeake and Potomac Telephone Co	Hog	1
	do	Pigs Service	1 9
	The Chesapeake and Potomac Telephone Co	Service	9
	do	do	9
	Coolidge Bros Mansfield Lumber Co	Lime	
	Herbert Harris	do	2
	Herman Comey	Chickens.	$\tilde{5}$
	Franklin Rubber Co	Rubber hats	9
	Franklin Rubber Co D. H. Livingston	Rubber hats Services	14
	Dani, W. Latham Hamlet Wight D. E. Salmon Bansch & Lomb Optical Co	Cattle	14
	Hamlet Wight	Traveling expenses	46
	D. E. Salmon	Traveling expenses	4
4	Bausch & Lomb Optical Co	Gas burners, etc	1:
	Linited States Envelope Co	Thermometers	10
	Emil Greiner United States Envelope Co The Grove Lime and Coal Co	Gas burners, etc. Thermometers Envelopes. Lime. / Wagon.	4
		Wagon	3
	H. A. Hedrick et al Geo. W. Pope et al Edw. P. Dowd et al	Salaries	13
	H. A. Hedrick et al	do	44
			26

Date.	Name.	Nature of payment.	Total
1903.			
ar. 4	Julius Huelsen et al.	Salaries	\$519
	W. P. Ellenberger et al	do	178
	Saml. E. Bennett et al	do	178 2,417 98
	W.P. Ellenberger et al Saml. E. Bennett et al Murray J. Myers Fredk, T. Dolan	Services	93
	Fredk. T. Dolan	do	108
	F. W. Hopkins	do	108 108
	F. W. Hopkins Willis B. Lincoln Jas. M. Turner	do	108
	Jas. M. Turner	do	70
	H. D. Mayne Edwd. S. Schmid Hugh Reilly	do	70 93
5	Edwd. S. Schmid	White mice	2
	Hugh Reilly	Lumber	4
	do	(+asoline	1
	do	Turpentine	
	Potomac Electric Power Co	Current	44
	do Potomac Electric Power Co Geo. E. Howard & Co	Labels	800
			2,855
	Albert E. Behnke et al Jas. Johnston et al F. L. De Wolf et al	do	1,200 $1,776$
	Jas. Johnston et al	do	1,776
	F.L.De Wolf et al.	do	220
	W.H. Rose et al	do	1,062
	Boyd Baldwin	Expenses	116
	W. H. Rose et al Boyd Baldwin A. A. Holcombe D. Cumming Geo. W. Butler	bervices	116 50 108 70
	Goo W Putlon	do	100
	Wm H Wada	do	770
	Poyd Poldwin et al	Colonica	537
	A I Poyno et al	Salaries	919
•	Lowis R Relear at al	do	945
	Chas A Schauffer at al	do	818
	Edwd P Schaffter et al	do	571
	Nathan K Feglev et al	do	818 571 234 164
	Richard J. Blanche et al	do	164
	Wesley N. Neil et al	do	164
	Geo Ditewig et al	do	164 248
	Frederick Braginton et al-	do	164
	J. S. Kellev et al	do	164
	Geo. C. Faville et al	do	272
6	J. B. Clancy et al	do	2, 779
	F. W. Ainsworth et al	do	2,779 2,779 318
	W. J. Murphy et al	do	164
	W. B. Niles et al	do	421
	Henry P. Armsby et al	do	261
	Jos. M. Good et al	do	164
	R. J. Cranton et al	do	691
	Louis K. Green et al.	do	258 1, 332 1, 692
	Jas. J. Brougham et al	do	1,332
	Bernhard P. Wende et al	do	1,692
	J. B. Clancy	Services	8
	Jas. Irwin	do	77 10
	H. T. Potter	do	10
	G. W. Ward	do	108
	Chas, H. Zink	do	124 108
	Herbert B. Chaney	do	108
	Wm.F.Jones	do	93
	Frank H. Herlinger	do	56
	Funcat I Volcensus	do	56 28
	Ernest L. Volgenau	do	0.700
	Harry N. Waller et al.	Salaries	2,598
7	Loglio L Allen	Services	2,599 56 116
4	Thea Coater	00 	116
	H D Adoin	00 	110
	Doton I Konchnon	do	116 108 108
	Clarence A Clarecon	do	100
	Louis Meteker	do	100
	Thos A Rray	do	108 108 108
	Geo E Totton	do	100
	W. H. Rose et al Boyd Baldwin A. A. Holcombe D. Cumming Geo. W. Butler Wm. H. Wade Boyd Baldwin et al A. J. Payne et al Lewis R. Baker et al Chas. A. Schaufler et al Chas. A. Schaufler et al Chas. A. Schaufler et al Richard J. Blanche et al Nathan K. Fegley et al Richard J. Blanche et al Wesley N. Neil et al Geo. Ditewig et al. Frederick Braginton et al J. S. Kelley et al Geo. C. Fayille et al J. B. Clancy et al Frederick Braginton et al J. S. Kelley et al Geo. C. Fayille et al J. B. Clancy et al F. W. Ainsworth et al W. J. Murphy et al W. B. Niles et al Henry P. Armsby et al Jos. M. Good et al R. J. Cranton et al Louis K. Green et al Jas. J. Brougham et al Bernhard P. Wende et al J. B. Clancy Jas. Irwin H. T. Potter G. W. Ward Chas. H. Zink Herbert B. Chaney Wm. F. Jones Frank H. Herlinger Herman V. Persells Ernest L. Volgenau Harry N. Waller et al Harry F. Hume Leslie J. Allen Thos. Castor H. B. Adair Peter I. Kershner Clarence A. Clawson Louis Metsker Thos. A. Bray. Geo. E. Totten Wm. G. Shaw A. H. Wallace Geo. W. Browning- Louis A. Klein Ernest J. Foreman Morey A. Sappington Geo. C. Moser W. L. Johnson Dan McCunningham Wm. D. Jordan Harry L. McDonald Chas. A. Brown A. G. A. Bidwarder et al A. G. A. Bidwarder et al Called Chas. A. Brown A. G. A. Bidwarder et al Called Chas. A. Brown A. G. A. Bidwarder et al Chas. A. Brown A. G. A. Bidwarder et al Chas. A. Brown A. G. A. Bidwarder et al Chas. A. Brown A. G. A. Brown	do	108
	A H Wallace	do	100
	Geo W Browning	do	100
	Louis A Klein	do	108 108 108
	Ernest J Foreman	do	101
	Morey A Sannington	do	101
	Geo C Moser	do	101 93 98
	W L. Johnson	do	98
	Dan McCunningham	do	96
	Wm D Jordan	do	93 93 70
	Wm. D. Jordan Hairry L. McDonald Chas. A. Brown A. G. G. Richardson et al.	do	70
	Col. 1 D. McDonald	3	70
	Chas. A. Brown		

te.	Name.	Nature of payment.	То
)3.			
. 7	Albert Dean et al	Salaries Services	- 86
9	Chas. Cowie. Geo. S. Hickox Jno. McBirney Roy N. Drake. Clinton H. Bugbee Frank C. Eells R. A. Ramsay.	Services	1
	Ino MaRiyany	do	1 1
	Roy N. Drake	do	- 1
	Clinton H. Bugbee	do	î
	Frank C. Eells	do	1 1
	R. A. Ramsay	do	. 1
	Isaac W. O'Rourke	do	. 1
	R. A. Rainsty Isaac W. O'Rourke David C. Hanawalt Arthur A. Glaisyer Nathl. B. Smith	do	1
	Nathl. B. Smith	do	î
	A. J. Pistor	do	1
	A. J. Pistor J. Otis Jacobs W. S. Cass	do	1
	Lowell Clarks	do	1
	Walter E. Howe	do	1
	Lowell Clarke Walter E. Howe Robt. H. Treacy Thos. White	do	10
	Thos. White	do	. 10
	H. M. Rowe	do	10
	Iohn I Haves	do	. 10
	H.J. Hammond	do	1
	Thos. Witte H. M. Rowe N. L. Townsend John J. Hayes H. J. Hammond Matthias S. Lantz A. I. Smith	do	10
	A. J. Smith Wm. Pflaeging	do	1
	Wm. Pflaeging	do	
- 1	wm. Friteging Howard D. Ebey F. O. Pettey W. R. Dennis Danl. R. Hodges Russell G. Merrill	do	
	W R Dennis	do	
	Danl. R. Hodges	do	
	Russell G. Merrill	do Traveling expenses Salaries	
	W. S. Cass Harry D. Paxon et al Levi P. Beechy et al Jas. J. Brougham	Traveling expenses	7
	Harry D. Paxon et al.	Salariesdo	1 7
1	Jac J Brougham	Use horse, etc.	1,0
	Russell G. Merrill	do	
1	Russell G. Merrill The Fyricide Manufacturing Co	do Extinguishers	10
	W. S. Cass Thos. James	Use horse, etc.	
	Thos. James	Brood sows	1:
	Chas Hubinger Saml. E. Bennett Paine Furniture Co	Files, etc Use horse, etc	
	Paine Furniture Co	Chair, etc	
	Sarah E. Wlieeler	Cow	
	F. Knight & Son	Service	
	Geo. Minton Burditt & Williams Co	Hammer, etc.	
	M Goldman	Cow	
3	Wm. Reed & Sons.	Cow Oil, etc	i
	E. & F. King & Co	Lime	9
	Abijah G. Jones	Cattle	1, 20 8, 75
10	W. C. Robbins	do Salaries	8 79
10	Walter J Stewart et al	Salaries do	5.5
	Burditt & Williams Co M. Goldman Wm. Reed & Sons. E. & F. King & Co Abijah G. Jones W. C. Robbins O. E. Dyson et al Walter J. Stewart et al Jas. Fleming et al W. R. Fleming W. J. Kennedy Jas. W. Davis	do	. 86
11	W. R. Fleming	Services	
	W. J. Kennedy	do	. 10
	Jas. W. Davis' American Ice Co Z. D. Gilman The Maurice Joyce Engraving Co A Wilson & Bro	Teo	
	Z D Gilman	Ice Glasses	
	The Maurice Joyce Engraving Co	Engravings	
	A. Wilson & Bro National Electrical Supply Co F. D. Ketchum Thos. J. Turner M. O. Anderson et al.	Services	A. Contract
	National Electrical Supply Co	Rubber Use horse, etc	
	The I Turner	Expenses	
	M. O. Anderson et al	Salaries	16
	J. C. Milnes et al	do	57
	M. O. Anderson et al J. C. Milnes et al Don C. Ayer et al	do	3, 44
	W. H. GIOSS et al Joshua Miller et al E. N. Hutchinson et al Clarence Loveberry et al Frank D. Ketchum et al Jno. W. Burton et al Thos. J. Turner et al Chas. Keane et al Geo. S. Baker et al	do	25
	Clarence Loveberry et al	do	33
	Frank D. Ketchum et al	do	1,89
	Jno. W. Burton et al	do	1,89
3.0	Thos. J. Turner et al	do	77
12	Chas. Keane et al	do	. 38
	Chas, Keane et al. Geo, S. Baker et al. Neils C. Sorensen et al. Arthur B. Morse et al. Richd. W. Tuck et al. Robt. Darling et al.	do	1,77
	Arthur B. Morse et al	do	1,16
			34

1993   Mar. 12   O. B. Hess et al   Trajan Shipley et al	Date.	Name,	Nature of payment.	Total.
U. G. Houck   Go   Benj. J. Glavin   Go   Service   Go   Go   Go   Go   Go   Go   Go   G	903.	0 P.W	G-1	2100
U. G. Houck   Go   Benj. J. Glavin   Go   Service   Go   Go   Go   Go   Go   Go   Go   G	11. 12	U. B. Hess et al.	Salaries	\$180. 296, 894. 367. 108.
U. G. Houck		Wm Thompson et al	do	894.
U. G. Houck		E. T. Davidson et al	do	367.
U. G. Houck		F. M. Perry	Services	108.
U. G. Houck		Hannah Scanlan	do	25.
U. G. Houck		W. E. Hill	do	93.
U. G. Houck	100	F. L. Russell	do	56. 108. 108.
U. G. Houck		Warner Wargester	do	108
U. G. Houck		J.J. Rieman	do	56.
U. G. Houck		Jno. Dufeck	do	10,
U. G. Houck		Jno. E. Bell	do	64. 137.
U. G. Houck		Rice P. Steddom.	do	137.
Frank W. Adams	-	do	do	124.
Frank W. Adams		U. G. Houck	do	124. 56.
Frank W. Adams		Western Union Telegraph Co	Service	2.
C. F. Long		do	do	15
C. F. Long		Frank W. Adams	Cattle	530.
C. F. Long		do	do	530, 40.
C. F. Long		E. B. Leland	Services	47. 15.
C. F. Long		Little Finger	Mare	15.
C. F. Long		Anna biguead	do	8. 15.
C. F. Long	1.3	No Two Horns	do	19.
Back	:	Kills Enemy	do	12. 20.
Back		C. F. Long	do	15
Back		Ed. Willson	do	45.
Alleid A. Holcombe		Back	do	17.
Allen A. Holcombe   Color		Red Hair	- do	15. 25.
Allen A. Holcombe   Color		Unas. Keane	Vse norse, etc.	25. 15.
Allel A. Holcombe   Co		Ino H Brown	do	15.
Allel A. Holcombe   Co	1	F. Auerbach Bros	Office rent	30.
Allen A. Holcombe   Color		Don C. Ayer	Use horse, etc.	15.
Allen A. Holcombe   Color		Jas. W. Davis	do	18.
Allen A. Holcombe   Color	1.1	St. Louis National Stock Yards	Office rent	50.
Alleid A. Holcombe	14	W.H. Wray	Services	350.
Alleid A. Holcombe		Caroline Burnaby	do	40.
Allen A. Holcombe   Color		Saml E Rennett	do	56. 4.
Allel A. Holcombe   Co		E N Hutchinson	Expenses	16.
Allel A. Holcombe   Co		Geo. S. Baker	- do	4.
Allel A. Holcombe   Co		W. H. Wray	do	4.
Allel A. Holcombe   Co		W. H. Rose	do	10.
Allel A. Holcombe   Co		A. G. G. Richardson	do	9.
Clutter & Stephenson		Allen A Heleambe	do	7.
Clutter & Steiphelson	1	Konshov & Mattison Co	Sorvices	1.
W. M. Galt & Co.   Corn     R. L. Cooper   Use horse, etc     Geo. E. Howard   Labels     United States Envelope Co   Envelopes     Wm. E. Pratt   Hog ringers     Wm. Krafft   Canada balsam     Pullman Automatic Ventilator Co   Ventilators     Dennison Manufacturing Co   Tags     Thos. James   Brood sows     B. F. Quimby   Cattle     Herman Carney   do     Jno. B. Sine   Traveling expenses     Samuel E. Bennett   do     Chas. B. Hutchinson   do     Alex. E. Wight   do     Walter H. Hersey   do     Thos. Coyle   do     E. N. Hutchinson   do     Geo. S. Baker   do		Wm. Lochte	Shoeing horses	26. 7.
W. M. Galt & Co.   Corn     R. L. Cooper   Use horse, etc     Geo. E. Howard   Labels     United States Envelope Co   Envelopes     Wm. E. Pratt   Hog ringers     Wm. Krafft   Canada balsam     Pullman Automatic Ventilator Co   Ventilators     Dennison Manufacturing Co   Tags     Thos. James   Brood sows     B. F. Quimby   Cattle     Herman Carney   do     Jno. B. Sine   Traveling expenses     Samuel E. Bennett   do     Chas. B. Hutchinson   do     Alex. E. Wight   do     Walter H. Hersey   do     Thos. Coyle   do     E. N. Hutchinson   do     Geo. S. Baker   do		Wyckoff, Seamans & Benedict	Repairing typewriters	92
Pullman Automatic Ventilator Co	4	Church & Stephenson	Lumber	293. 246. 50.
Pullman Automatic Ventilator Co         Ventilators           Dennison Manufacturing Co         Tags           Thos, James         Brood sows           B. F. Quimby         Cattle           Herman Carney         do           Jno. B. Sine         Traveling expenses           Samuel E. Bennett         do           Chas. B. Hutchinson         do           Alex. E. Wight         do           Walter H. Hersey         do           Thos. Coyle         do           E. N. Hutchinson         do           Geo. S. Baker         do		W. M. Galt & Co	Corn	246.
Pullman Automatic Ventilator Co         Ventilators           Dennison Manufacturing Co         Tags           Thos, James         Brood sows           B. F. Quimby         Cattle           Herman Carney         do           Jno. B. Sine         Traveling expenses           Samuel E. Bennett         do           Chas. B. Hutchinson         do           Alex. E. Wight         do           Walter H. Hersey         do           Thos. Coyle         do           E. N. Hutchinson         do           Geo. S. Baker         do		K. L. Cooper	Use horse, etc	50,
Pullman Automatic Ventilator Co         Ventilators           Dennison Manufacturing Co         Tags           Thos, James         Brood sows           B. F. Quimby         Cattle           Herman Carney         do           Jno. B. Sine         Traveling expenses           Samuel E. Bennett         do           Chas. B. Hutchinson         do           Alex. E. Wight         do           Walter H. Hersey         do           Thos. Coyle         do           E. N. Hutchinson         do           Geo. S. Baker         do		United States Envelope Co	Envelopes	1,040.
Pullman Automatic Ventilator Co         Ventilators           Dennison Manufacturing Co         Tags           Thos, James         Brood sows           B. F. Quimby         Cattle           Herman Carney         do           Jno. B. Sine         Traveling expenses           Samuel E. Bennett         do           Chas. B. Hutchinson         do           Alex. E. Wight         do           Walter H. Hersey         do           Thos. Coyle         do           E. N. Hutchinson         do           Geo. S. Baker         do		Wm E Pratt	Hog ringers	109. 10. 1. 10.
Pullman Automatic Ventilator Co         Ventilators           Dennison Manufacturing Co         Tags           Thos. James         Brood sows           B. F. Quimby         Cattle           Herman Carney         do           Jno. B. Sine         Traveling expenses           Samuel E. Bennett         do           Chas. B. Hutchinson         do           Alex. E. Wight         do           Walter H. Hersey         do           Thos. Coyle         do           E. N. Hutchinson         do           Geo. S. Baker         do				10.
B. F. Quimby		Pullman Automatic Ventilator Co	Ventilators	10.
B. F. Quimby Cattle	1 1	Dennison Manufacturing Co	Tags	2. 98.
B. F. Quimby		Thos. James	Brood sows	98.
Herman Carney		B. F. Quimby	Cattle	38.
Samuel E. Bennett   do   do   do   do   do   do   do		Ino P Sino	Two wellings own anges	1, 179. 80.
Chas. B. Hutchinson		Samuel E. Bennett	do	20
Alex. E. Wight		Chas. B. Hutchinson	do	43
Walter H. Hersey         do           Thos. Coyle         do           E. N. Hutchinson         do           Geo. S. Baker         do           Albert E. Behnke         do           Geo. C. Moser         do           Morey A. Sappington         do           Arch H. Walter         do		Alex. E. Wight	do	43. 56. 59.
Thos. Coyle		Walter H. Hersey	do	59.
E. N. Hutchinson do Geo. S. Baker do Albert E. Behnke do Geo. C. Moser do Morey A. Sappington do Arch H. Wallage do		Thos. Coyle	do	53.
Cleb. S. Daker		E. N. Hutchinson	do	11.
Geo. C. Moser do	(	Albert E. Rebuka	do	5. 8.
Morey A. Sappington do		Geo. C. Moser	do	33.
Arch H Wallace		Morey A. Sappington	do	1.
ZET OH. II. IV RIPAUC		Arch. H. Wallace	do	1. 31.
Chas. A. Brown do	1	Chas. A. Brown	do	20.
Harry L. McDonald do		Harry L. McDonald	do	14.
Geo. W. Brywning		Geo. W. Browning	do	1. 4.

# $Expenditures of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1903-{\bf Cont'd}.$

ite.	Name.	Nature of payment.	Total
903.	Thos. Castor Dan McCunningham J. W. Parker W. L. Johnson Louis A. Klein Clarence A. Clawson Peter I. Kershner do W. H. Wray Allen A. Holcombe Geo. W. Ward H. T. Potter W. B. Niles Herbert B. Chaney Fredk T. Dolan A. J. Pistor H. D. Mayne H. J. Hammond C. L. Morin		
·. 14	Thos. Castor	Traveling expenses	\$35.
	Dan McCunningham	do	56. 1.
	J. W. Parker	do	1.
	W. L. Johnson	do	7.
	Louis A. Klein	do	8.
	Clarence A. Clawson	do	21.
	Peter I. Kershiler	do	17.
	377 TT 377	do	56.
	W.H. Wray	00	7. 38.
	Allen A. Holcombe	00	38.
	H. T. Dotton	do	5.
	W P Niles	do	5. 25.
	Harbart R Changy	do	20. 5.
	Fredk T Dolan	do	4
	A J Pistor	do	21. 10.
	H D Mayne	do	10
	H J Hammond	do	106.
	C. L. Morin	do	13
	C. L. Morin Wm. C. Honan	do	13. 16.
	Chas. Cowie	do	19.
16	The Burnett Co	Dry batteries	4.
12.0	The Burnett Co Geo. E. Howard & Co	Labels	560.
	Robt. Darling	Use horse, etc.	25.
	Robt Darling Albert E. Behnke	do	35.
	S. A. De Freese E. C. Schroeder	Corn	10.
	E. C. Schroeder	Expenses	10. 6.
	E. A. McDonald	Services	80.
	Geo. M. Whitaker Isaac W. O'Rourke	Traveling expenses	112
	Isaac W. O'Rourke	Traveling expenses	50.
	Warren J Fretz	do	55.
	F. L. Russell W. D. Collyer F. M. Perry N. L. Townsend	do	25.
	W.D. Collyer	do	67. 4.
	F. M. Perry	do	4.
	N. L. Townsend	do	99
	Matt. S. Lantz Geo. A. Bond	do	11.
	Geo. A. Bond	do	11. 14. 50.
	R. A. Ramsay Dan M. Cunningham Ernest J. Foreman Louis Metzker	do	50.
	Dan McCunningham	do	115.
	Ernest J. Foreman	do	22. 45.
	Louis Metzker	do	
	Albert Dean	do	40.
	Albert Dean Fred L. Stevens Henry Q. Thompson Patck. O'Shea et al Henry Walsh et al J. B. Clancy E. A. de Schweinitz	do	53.
	Potoly O'Chan et al	Colomica	102. 624.
	Hoppyr Wolch et al	Salaries	476.
17	T P Clency	Evponese	8.
14	F A do Sahwoinitz	do	15.
	M. Du Perow	Shade, etc	1.
	H A Hodniek		15
	Geo Colhoff	Mare	15. 30.
	Lucy Wounded Close	do	10.
	J. B. Colhoff	do	18.
	Geo. Colhoff Lucy Wounded Close J. R. Colhoff O. E. Dyson S. W. Burt	Use saddle horse	25.
	S. W. Burt	do	25.
	Jno, C. Lorenzen	USE HOISE, CIC	32
	Jno. C. Lorenzen The Fair Theo. H. Eisner & Bro	Baskets	6. 2. 2. 5.
	Theo. H. Eisner & Bro	Burner	2.
	A.P.Little	Cases, etc	2.
	J. Haberle	Repairing boxes	5.
	Thos. A. Bray	Traveling expenses	3.
	Leslie J. Allen	do	35.
	M. W. Lang	do	120.
	Walter E. Howe	do	5. 45.
	John J. Hayes	do	45.
	Clinton H. Bugbee	do	36.
	A. P. Little J. Haberle Thos. A. Bray Leslie J. Allen M. W. Lang Walter E. Howe John J. Hayes Clinton H. Bugbee H. M. Rowe F. O. Pettey David C. Hanawalt W. R. Dennis	do	21.
	F.O. Pettey	do	28.
	David C. Hanawalt	do	5.
	W. R. Dennis Jno. McBirney Robt. H. Tracy Frank C. Eells	ao	5. 37. 37.
	Jno. McBirney		37.
	Root, H. Tracy	ao	43.
	Frank C. Eells	00	7. 103.
	Wm. G. Shaw Chas. F. Flocken	do	70
	Chas. F. Flocken	00	79.
	Adolph Elennorn	u0	83. 79.
	Adolph Eichhorn W. L. West Albert N. Irwin U. G. Houck Patk. H. Mullowney	do	
	ATTIECE IN TEWEN	u0	111. 162.
	II C Honely	de	

Date.	Name.	Nature of payment.	Total
1903.			
ar. 18	Jno. V. Laddey F. W. Bicknell do E. A. McDonald	Traveling expenses	\$137
	F. W. Bicknell	do	161 250
	E. A. McDonald	do	250 55
	Levi Wells Nathl. B. Smith Lowell Clarke	do	135
	Nathl. B. Smith	do	34 32
	Geo. S. Hickox	do	46
19	A. R. Glaisver	do	22
	Geo. S. Hickox Sallie Red Hat	Expenses Mare	ā
	Alex. Merrivall	Mare	5 5
	Chas. Hacker	Use horse, etc	19
	Clas. Hacker Jno. B. Sine Bausch & Lomb Optical Co E. Morrison Paper Co Chas. C. McKeon Thos. Somerville & Sons Yawman & Erbe Manufacturing Co Rudolph, West & Co E. G. Schafer & Co Woodward & Lothrop E. J. Brooks & Co Miller Lock Co Shannon & Axtell Thacher & Ireland do	do	35
	E Morrison Paner Co	Tubes, etc	37 1
	Chas. C. McKeon	Services	58
	Thos. Somerville & Sons	Ells, etc	7
	Yawman & Erbe Manufacturing Co	Binding cases	10
	E. G. Schafer & Co	Saw, etc	14
	Woodward & Lothrop	Packing Batting, etc	3 5
20	E.J. Brooks & Co	Seals	37
	Shannon & Aytell	Repairing padlock Bran, etc Services	2 22
	Thacher & Ireland	Services	41
	do	Lime Use horse, etc.	5
	. C. E. Howard Jas. B. Wood & Son Co	Use horse, etc.	21
	do	do	21
	do McManus Bros Edw. R. Hayward	Use horse, etcdo	24
	Edw. R. Hayward	do	24
	Frank E. Brooks Chas. Warner	Meals, etc	302 43
	O. F. Sage, ir	Canvas case.	16
	Ö. F. Sage, jr Ciarence Moore	Meals, etc	16 30
	J.J. Busch	do	187 24
	J. J. Busch Sophia A. Gove Maggie E. Stiles Almond Bailey Jas. S. McGregor Smith & Thayer Co D. J. Cooney Ames Plow Co Lowel Coal Co Almond Bailey Joseph Hassan Hulbert Young J. F. Ryder	do	24 16
	Almond Bailey	do	166
	Jas. S. McGregor	do	101
	Smith & Thayer Co	Pumps	18 48
	Ames Plow Co	Shovels, etc	61
	Lowel Coal Co	Lime	18
	Almond Bailey	Services	24
	Hulbert Young	Traveling expenses	1 80
	J. F. Ryder	Services.	155
	Joseph Hassan Hulbert Young J. F. Ryder do Geo. W. Pope Chas. M. Day W. S. Cass E. T. Davison Geo. M. Whitakar	Traveling expenses	30
	Chas M Day	do	11 29
	W. S. Cass	do	40
	E. T. Davison	do	49
21	Geo. M. Whitaker A. D. Melvin The Allegheny Co	do	36
21	The Allegheny Co	Coal	62 100
	A. Wilson & Bro.	Services	3
-00	Eliza McDonald	Meals, etc	142
23 24	E L Volgenau	Traveling expenses	42
	Russell G. Merrill	do	11
	E.L. Volgenau	do	101
	J. Wm. Fink	do	68 109
	Geo. E. Wager	do	30
	Geo. M. Dishong	do	18
	L. Enos Day	do	74
	M Imes	do	5 80
	Henry C. Brown	do	2
	The Allegheny Co A. Wilson & Bro Eliza McDonald Potomac Electric Power Co E. L. Volgenau Russell G. Merrill E. L. Volgenau J. Wm Fink Rice P. Steddom Geo. E. Wager Geo. M. Dishong L. Enos Day Louis L. Bullard M. Imes Henry C. Brown Frank H. Burleigh	Meals, etc	15
	Albert L. Latham	Meals, etc	43
	Geo. L. Spear	Services	55 1,745
26	Washington Gaslight Co	Gas	50
	Geo. L. Spear Washington Gaslight Co do H. O. Alley Jas. Harper Harris C. Wilson	do	48
	In. U. Alley	Corn Mare	35
	77 (402), 4 1 (64 1 1) (71	Use horse, etc	30

 $Expenditures of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30,1903-{\bf Cont'd.}$ 

Date.	Name.	Nature of payment.	Total.
1903.	•		1
Mar. 26	T.J. Foley Allen Clark Jas. B. Wood & Son Co E. J. Davis W. C. Boyce Adams Bros	Meals. etc	\$21.0 12.7
	Allen Clark	Services.	12.7
	E I Davie	Lime Forks	1.1
	W. C. Boyce	Cow	5.5 52.5 8.5
	Adams Bros	Lime Services	8.5
			10.0
	F. E. Boyd W. C. Robbins B. F. Bascom Frank L. Shipp Wm. D. Jorden Thos. White J. B. Clancy D. E. Salmon	,do	24.0
	B. F. Bascom	Tuevaling avronge	123.0 18.7
	Wm D Jorden	do	76.5
	Thos. White	do	39.5
	J. B. Clancy	Expenses	2.6
	D. E. Salmon	do	34.4
27			61.4
æ1	David R. Hodges Saml. E. Bennett	Traveling expensesdodo	32. ā 17. ā
	Tooie A. Geddes	do	78.7
	OD	Services	155, 6
	Geo Colhoff	Mare	12.0 12.0
	Crazy Thunder Henry Poor Buffalo	do	12.0
	Danl. Shaving Bear	Stallion	8.0
	Roan Eagle	Maredo	7.5 $15.0$
	Roan Eagle Lone Elk Geo. Left Hand	do	7.5
	Geo. Left Hand	do	7,5
	Jennie Bird	Mare etc	75.0
	Eugene Bird Edison Electric Illuminating Co Geo, E. Howard & Co	Mare Services	25. t
	Goo F: Howard & Co	Labels	9.6 800.6
31	Baote Ovi	Mare	10.0
-	Long Woman	do	10.0
	Long Woman Marion Dorsett et al	Salaries	5,551.2
	Total third quarter		418, 234. 9
mn 1	Geo. E. Howard & Co	Labels	800.0
pr. 1	Geo M Whitaker	Services	129. 2
	Geo. M. Whitaker B. F. Van Valkenburgh M. W. Lang W. D. Collyer	do do	155.0
	M. W. Lang	do	155.0
	W. D. Collyer	do	155.0
2	Levi wens	100	155. ( 5. 1
~	Jno. C. Parker D. Frank Parker	Paper	6.9
	Wm. H. Dver	Sach	21.0
	Ernest Betz	Incubator	49.5
	National Mortar Co	Cement	34.4
	W. M. Galt & Co Potomac Electric Power Co	Oats	39.0
	Tomber C- Tomorom	Clemanian on a c	7. 2 5. 5
	W. B. Moses & Sons	Chair	5.1
	J. W. Barker	Chair Pan and basket	2.5
	Jno. Plenty Wolf	Stallion	15.0
	W. B. Moses & Sons J. W. Barker Jno. Plenty Wolf Fast Horse Red Buffalo Danl E. Sherman	Maredo	8.0 22.5
	Red Bullalo	Cattle	1,134.8
	Thos O Knowlton	do	1.088.1
	Thos, O. Knowlton Amos W. Whipple Geo. Pattee Bartlett & Butler M. W. Comiskey	do	1,088.1 747.6 547.4
	Geo. Pattee	do	547.
	Bartlett & Butler	do	532 (
	M. W. Comiskey	do	928.3
	Fred. F. Lane J. H. Stiles	do	746.2 651.0
	Jas A Richards	do	696.
	Chas. H. Hazen	do	700.0
	E.R.French	Chickens	3.6
	J. H. Stiles Jas. A. Richards Chas. H. Hazen E. R. French do do	Cattle	595.0
	I P Reiloy	do	315.0 385.0
	Albert R McLain	do	525. (
	J. R. Bailey Albert B. McLain Albert E. Jones	do	269 5
	do	do	112.0 227.5
		do	227. 5
	Alonzo Calkins		
	Alonzo Calkins Geo. W. Kidder	do	203. 9
	Alonzo Calkins Geo. W. Kidder Geo. E. Waite	do do	203. 9 607. 6
	Alonzo Calkins Geo. W. Kidder Geo. E. Waite Harris C. Wilson	do d	203. 9 607. 6
	do Alonzo Calkins Geo. W. Kidder Geo. E. Waite Harris C. Wilson Revere Rubber Co Louis Brausseau	do	203, 9 607, 6 207, 2 237, 0 162, 5

ate.	Name.	Nature of payment.	Tota
903.			
. 2	Warren J. Whipple Frank A. Whipple E. L. Volgenau. Jno. R. Johnson Trorlicht, Duncker & Renard Carpet Co. American Tag Co The Maurice Joyce Engraving Co. Z. D. Gilman	Cattle	\$66
	Frank A. Whipple	Hens	7 31
	E. L. Volgenau	Services	31
	Jno. R. Johnson	do	4
	Trorlicht, Duncker & Renard Carpet Co	Matting	33
	American Tag Co	Tags	121
3	The Maurice Joyce Engraving Co	Stamp Solution hydrate Wire baskets	22 23
		Solution hydrate	22
		Wire baskets	23
	Church & Stephenson American Can Co Nathan K. Fegley et al. H. A. Hedrick et al Geo. W. Pope et al. Julius Huelsen et al. W. H. Pope et al.	Lumber	45 19
	American Can Co	Oil cans, etc	19
	Nathan K. Fegley et al	Salaries	260
	H. A. Hedrick et al	do	489 368 702 1, 152
	Geo. W. Pope et al.	00 	508
	Julius Huelsen et al	00	7.150
	W. H. Rose et al Geo. C. Faville et al Samuel E. Bennett et al Jas. Hewes	, 00	1, 10%
	Geo. C. Faville et al.		301 2,567 36
	Samuel E. Bennett et al	ao	z, 907
	Jas. newes	Services	00 100
	H.D. Mayne	00	103
	Ed. fl. Webster	ao	144 62
	Coo D McCoho	Thorasing empanas	80
4	H. D. Mayne Ed. H. Webster Harry F. Hume Geo. P. McCabe Russell G. Merrill Jno. Mesteth Real Estate and Improvement Co.	Traveling expenses	15
+	The Meeteth	Mono	31
	Poel Fototo and Improvement Co	Pont of land	56 56
	II P Adoin	Sorvings	129
	H. B. Adair Thos. Castor	do	129
	Loclio I Allon	do	190
	Goo N Browning	do	129 120
	Thos Castor Leslie J. Allen Geo. N. Browning Clarence A. Clawson Thos. A. Bray. A. H. Wallace Wm. G. Shaw Geo. E. Totten Ernest J. Foreman Louis A. Klein Louis Metsker Peter I. Kershner	do	120
	Thos A Rear	do	120
	A H Wellege	do	120
	Wm C Show	do	120
	Geo F Totton	do	120
	Fract I Foreman	do	120
	Louis A Klain	do	120
	Louis Metsker	do	120
	Potor I Korchnor	do	120
	Dan McCunningham	do	103
	Ino I. Burgett	do	103 103
	Peter I. Kershner Dan McCunningham Jno. L. Burgett Geo. C. Moser	do	103
	Geo. C. Moser W. D. Jorden Morey A. Sappington Western L. Johnson Frank W. Brewer Chas, A. Brown Harry L. McDonald Murray J. Myers Frank T. Dolan F. W. Honkins	do	103
	Morey A. Sappington	do	103
	Western L. Johnson	do	103 103 103
	Frank W. Brewer	do	103
	Chas. A. Brown	do	77
	Harry L. McDonald	do	77 77 103
	Murray J. Myers	do	103
	Frank T. Dolan	do	120
	F. W. Hopkins	do	120
	Willis B. Lincoln	do	120
	J. M. Turner	do	120
	Henry E. Alvord	Traveling expenses	83
	Murray J. Myers Frank T. Dolan Fr. W. Hopkins Willis B. Lincoln J. M. Turner Henry E. Alvord Albert Dean et al Jas. Johnston et al Edwd. P. Schafter et al Harry N. Waller et al Edwd. P. Doud et al Albert E. Behnke et al Fredk. Bragington et al Chas. A. Schauffer et al Ewis R. Baker et al Ewis R. Baker et al Bernhard P. Wende et al Lewis R. Baker et al Bernhard P. Wende et al Boyd Baldwin et al W. P. Ellenberger et al Chas. C. McKeon Wesley N. Neil Wm. H. Wade Hervey T. Potter F. M. Perry X. Mongin C. L. Morin Wm. M. H. Seabrook Jas. Irwin J. W. Oppedyke L. A. Pepon.	Salaries	687
	Jas. Johnston et al	do	1.946 630
	Edwd. P. Schafter et al.	do	630
	Harry N. Waller et al.	do	$2,860 \\ 184$
	Edwd. P. Doud et al	do	184
	Albert E. Behnke et al	do	1,276 $185$
	Fredk. Bragington et al	do	185
	Chas. A. Schaufler et al.	do	952
	F. W. Huntington et al	do	952 155
	Lewis R. Baker et al	do	
	Bernhard P. Wende et al.	do	1,972
	Boyd Baldwin et al	do	657
	W. P. Ellenberger et al	do	198
6	Cnas, C. McKeon	Services	1,972 657 198 62
	Wesley N. Neil	Expenses	9
	Wm. H. Wade	Services	77
	Hervey T. Potter	do	13 120
	F. M. Perry	do	120
	A. Mongin	do	22 103
	U. L. MOPIN	do	103
	Will. M. H. Seabrook	do	52 86
	Jas. irwiii	do	86
	J. W. Oppedyke	00	34
		00	23

ate.	Name.	Nature of payment.	Total
903.	Geo. W. Butler Albert J. Payne et al Richd. J. Blanche et al Jos. M. Good et al Geo. Ditewig et al Jas. S. Kelly et al Jas. S. Kelly et al Jas. J. Brougham et al Thos. J. Turner et al Wilber J. Murphy et al F. L. De Wolf et al Wesley N. Neil et al Rolt. J. Cranton et al Wm. Thompson et al J. B. Clancy et al Louise Faust et al Jno. Forbes et al M. O. Anderson et al Fredk. W. Ainsworth et al C. H. Zink et al U. H. Gibbs et al Joshna Miller et al W. B. Niles et al A. B. Morse et al A. B. Morse et al		
r. 6	Geo. W. Butler	Services	\$120.
	Albert J. Payne et al	Salaries	1,008. 182. 182.
	Richd. J. Blanche et al	do	182.
	Jos. M. Good et al	do	182.
	Geo. Ditewig et al	do	275
	Jas. S. Kelly et al	do	182. 1,534.
	Jas. J. Brougham et al.	do	1,534.
	Thos. J. Turner et al	do	869.
	Wilber J. Murphy et al	do	198.
	Wesley N Neil et al	00	240. 182.
7	Polet I Cuenton et al	do	18%.
,	Wm Thompson et al	do	756. 903.
	I B Clancy et al	do	3 999
	Louise Faust et al	do	3, 222. 38.
	Jno. Forbes et al	do	3.261
	M. O. Anderson et al	do	182. 335.
	Fredk. W. Ainsworth et al.	do	335.
	C. H. Zink et al	do	485
	Louis K. Green et al	do	318.
	W. H. Gibbs et al	do	165.
	Joshua Miller et al	do	318, 165, 260,
	W.B. Niles et al	do	459.
	A. B. Morse et al.	do	185.
	Trajan A. Snipley et al	00	330.
	W. B. Alles et al. A. B. Morse et al. Trajan A. Shipley et al. Frank D. Ketchum et al. Fredk. W. Ainsworth Rudolph, West & Codo	Ewnonces	1,086
	Produkt West & Co	Hatabata ata	5. 28.
	do	Hatchets, etc Pipe, etc Pliers	9.
	Barber & Ross	Pliers	5.
	do	Nails	2
	do	AXES	1.
	American Ice Co E. N. Hutchinson et al	Ice Salaries	28.
8	E. N. Hutchinson et al	Salaries	
	N. C. Sorensen et al	do	384.
	Harry D. Paxson et al	do	384 948 4,144 7,910 56
	Don C. Ayer et al.	do	4, 144.
	E. N. Huteninson et al N. C. Sorensen et al Harry D. Paxson et al Don C. Ayer et al A. G. G. Richardson et al Jno. A. Bill. C. L. Morin U. G. Houck	do	7,910
	Jno. A. Bill	Services	96.
	C. L. Morm	00	95.
9	U. G. Houck	Calarica	137. 741.
9	N. C. Sovenson et al	Salariesdo	1,946.
	Robt Darling et al	do	198.
11	U. G. Houck J. J. Hasson et al N. C. Sorensen et al Robt. Darling et al Geo. E. Howard & Co Edwd. S. Schmid. E. G. Schafer & Co E. Morrison Paper Co do	Labels	1,600.
11	Edwd. S. Schmid	Prepared feed	14.
13	E.G. Schafer & Co	Pipe	14. 4.
	E. Morrison Paper Co	Tags	4.
	do	Tag board Traveling expenses Salaries	
14	Warner Worcester Walter J. Stewart et al	Traveling expenses	81.
	Walter J. Stewart et al	Salaries	5, 181.
	Vergil L. Brown et al	do	2, 353.
	Walter J. Stewart et al Vergil L. Brown et al Jas. Fleming et al O. E. Dyson et al Chicago, Milwaukee and St. Paul Rwy. Co do Lake Shore and Michigan Southern Rwy. Co -do Star Union Line Co	do	966. 9,668.
	Chicago Milwankoo and St Paul Pres Co	Trensportation	9,008.
	do	do	6
	Lake Shore and Michigan Southern Rwy Co	do	0.
	dodo	do	
	Star Union Line Co	do	2
	do	do	1.
	star Union Line Codododostephen Dooley Pennsylvania R. R. Collinois Central R. R. Cododo	do	1.
	Stephen Dooley	do	1.
	Pennsylvania R. R. Co.	do	
	Illinois Central R. R. Co	do	
	00		90
	:u0	ado	20. 18.
	Union Pacific P. P. Co	do	18.
	Union Pacific R. R. Co. Chicago and Erie R. R. Co. Chesapeake and Ohio Rwy. Co. Cleveland, Cincinnati, Chicago and St.	do	
	Chesaneake and Ohio Rwy Co	do	
	Cleveland, Cincinnati Chicago and St	do	3.
	Louis Rwy. Co.		0.
	Lehigh Valley B. R. Co	do	1.
	Pennsylvania Co	do	$\overline{5}$ .
	Louis Rwy. Co. Lehigh Valley R. R. Co. Pennsylvania Co. New York, New Haven and Hartford R. R.	do	
	Chicago and Alton Rwy. Co Grand Trunk Rwy. of Canada Merchants and Miners; Transportation Co.	do	3.
	Grand Trunk Rwy. of Čanada	do	
		do	5.

# $Expenditures\ of\ Department\ of\ Agriculture\ for\ year\ ending\ June\ 30,1903-{\rm Cont'd}.$

	Name.	Nature of payment.	Tota
	Baltimore and Ohio Southwestern R. R. Co. Boston and Maine R. R. Co. Burlington and Missouri River R. R. Co. do. do. do. do. do. Chicago and Northwestern Rwy. Co. do. do. The Pullman Co. Jas. J. Brougham Bourbon Stock Yards Co. L. G. Orndorff F. Auerbach & Bro. Wagner Typewriter Co. Thacher & Ireland. do.		
4	Baltimore and Ohio Southwestern R. R. Co.	Transportation	S
	Boston and Maine R. R. Co	do	_
	Burlington and Missouri River R. R. Co	do	
	00	do	
	do	do	
	Burlington Route Missouri Lines	do	
	do	do	
	Chicago and Northwestern Rwy, Co	do	
	do	do	
	do	do	1
	The Pullman Co	Passenger transportation	1
	Jas. J. Brougnam	Office vent	3
	L. G. Owndowff	Office rent Plow, etc. Office rent Repairing typewriter Ax handles Scythes, etc. Books	í
	F Aperbach & Bro	Office rent	3
	Wagner Typewriter Co.	Repairing typewriter	
	Thacher & Ireland	Ax handles	
	do Chadwick Copying Book Co Robt, Gair Co	Scythes, etc.	
	Chadwick Copying Book Co	Books	4
	Robt, Gair Co.		
	United States Envelope Co Chas. Keane	Envelopes Use horse, etc	11
	Chas. Keane	Use norse, etc	2 2
	St Joseph Stock Vards Co	Office rent	13
	Missouri and Kansas Telephone Co	Service	1.0
	Chas. Reale Robt. Darling St. Joseph Stock Yards Co Missouri and Kansas Telephone Co Michael Dirnberger Loc Ecopher	Service Use horse, etc	1 13
		dodo	5
	East Buffalo Live Stock Exchange	Office rent	9
	Fowler Manufacturing Co	Towel service	
	Fowler Manufacturing Co Emery, Bird, Thayer Dry Goods Co Jas. R. Stafford	Soap	
	Jas. R. Stafford Cutler and Neilson Paint and Color Co Missouri and Kansas Telephone Co New York and New Jersey Telephone Co Wm. P. Cherrington. New Telephone Co Armstrong Steam Laundry E. L. Coleman The Faultless Rubber Co Iowa Telephone Co N. Rufus Gill Jno S. Gorsuch	Use norse, etc	1
	Miggarni and Mangag Tolophone (1)	Paint, etc Service	$\frac{1}{2}$
	New York and New Jarsey Telephone Co	do	2
	Wm P Cherrington	Hasps, etc.	
	New Telephone Co	Service	2
	Armstrong Steam Laundry	Service Towel service	
	E. L. Coleman	Office rent	1
	The Faultless Rubber Co	Gloves Service	
	Iowa Telephone Co	Service	
	N. Rufus Gill	Office rent	3
	Jno. S. Gorsuch A. D. Howe H. A. Gilmore & Co.	Mare	4
	H A Gilmore & Co	Feed, etc Fodder, etc	17 4
	Jno. J. Busch	Meals, etc	î
	Boyd Bros	Use horse, etc.	î
	F. P. Wells	Meals, etc	2
	Chas. H. Wood	Use horse, etc	
	Chas. G. Barnard	do	3
	Miller Bros	Pails	
	Don't Me Nolly	Use norse, etc	1
	McManus Bros	do	9
	H. A. Gilmore & Co Jno J. Busch Boyd Bros F. P. Wells Chas. H. Wood Chas. G. Barnard Miller Bros Martin M. Welch Danl. Mc Nally Mc Manus Bros E. A. Edson Foley & Dowd Franklin Rubber Co Frank J. Fallon	Meals etc	7
	Foley & Dowd	do	í
	Franklin Rubber Co	Rubber coat, etc.	14
	Frank J. Fallon	Services	6
	Jos. J. Rieman	do	6
	Frankin Rubber Co Frank J. Fallon Jos. J. Rieman Benj. J. Glavin Jas. W. Davis G. W. Ward W. J. Kennedy Chas Cowie	do	2
	Jas. W. Davis	do	7
	W. I. Konnody	do	12 10
	Chas Cowie	do	13
	Warner Worcester	do	12
	Wm. R. Fleming	do	6
	do	do	5
	W. J. Kennedy Chas. Cowie Warner Worcester Wm. R. Fleming do W. R. Dennis Wm. Pflaeging Thos. Redmond David R. Hodges F. O. Pettey Russell G. Merrill A. J. Smith Arthur A. Glaisyer Thos. White Robt. H. Treacy N. L. Townsend H. J. Hammond M. S. Lantz	do	77777
	Wm. Pflaeging	do	7
	Tnos. Redmond	do	7
	David R. Hodges.	do	1
	Russell G Marrill	do	77
	A J Smith	do	77
	Arthur A. Glaisver	do	12
	Thos. White	do	12
	Robt. H. Treacy	do	12
	N. L. Townsend	do	12
	H.I. Hammond	do	12

ate.	Name.	Nature of payment.
03.		
. 14	Walter E. Howe	Services
	J. J. Hayes	do
	Walter E. Howe J. J. Hayes David C. Hanawalt Frank C. Eells N. B. Smith H. M. Rowe R. A. Ramsay A. J. Pistor Isaac W. O'Rourke J. Otis Jacobs Lowell Clarke	do
	N. P. Cmith	do
	H M Rowe	do
	R A Ramsay	do
	A. J. Pistor	do
	Isaac W. O'Rourke	do
	J. Otis Jacobs	do
	Lowell Clarke	do
	Clinton H. Bugbee	do
	W. S. Cass	00
	Ino McRimov	do
	Geo S Hickox	do
15	Saml, C. Bennett	Use horse, etc
	Louis K. Green	Expenses
	N. C. Sorensen	do
	Geo. W. Butler	do
	R. A. Kamsay A. J. Pistor Isaac W. O'Rourke J. Otis Jacobs Lowell Clarke Clinton H. Bugbee W. S. Cass Ray N. Drake Jno. McBirney. Geo. S. Hickox Saml. C. Bennett Louis K. Green N. C. Sorensen Geo. W. Butler E. T. Davison Henry Armsby et al O. B. Hess et al. Geo. S. Baker et al J. C. Milnes et al Clarence Loveberry et al E. T. Davison et al Chas. Keane et al W. E. Hill D. Cumming Wm. E. Smith Maggie Taylor F. L. Russell Wm. E. Yans Andrew Hyde Geo. E. Wager do Thos. Coyle Frank L. Shipp Jno. B. Sine Geo. A. Hanvey, jr Rice P. Steddom S. E. Bennett Jas. F. Hughes L. Enos Day Clarence O. Dufee Major Schofield Walter H. Hersey Geo. M. Dishong W. B. Niles Fredk. T. Dolan H. D. Mayne Chas. M. Day Clarence A. Clawson Morey A. Sappington Jno. Summers Louis A. Robinson Murray J. Myers F. L. Russell Benj. Howes H. H. George Harry L. McDonald Albert Dean E. N. Hutchinson W. R. Dennis J. Otis Jacobs Geo. C. Moser Wm. D. Collyer H. J. Hammond Jno. L. Burgett	do
	Henry Armsby et al.	Salaries
	U. B. Hess et al	do
	L C Milnog et al	ao
	Clarence Levelermy et al	do
	E T Davison et al	do
	Chas. Keane et al	do
	W. E. Hill	Services
	D. Cumming	do
	Wm. E. Smith	do
	Maggie Taylor	do
	F. L. Russell	do
	Wm. Evans	do
	Andrew Hyde	Traveling expenses
	Geo. E. Wager	do
	The Coyle	do
	Frank I. Shipp	do
	Jno B Sine	do
	Geo. A. Hanvey, ir	do
	Rice P. Steddom	do
	S. E. Bennett	do
	Jas. F. Hughes	do
	L. Enos Day	do
	Clarence O. Dufee	do
	Major Schoneld	00
	Walter H. Hersey	00
	W P Niles	do
	Fredly T Dolon	do
	H. D. Mayne	do
	Chas. M. Day	do
	Clarence A. Clawson	do
	Morey A. Sappington	do
	Jno. Summers	do
	Louis A. Robinson	do
	Murray J. Myers	do
	F. L. Russell	do
	Benj. Howes	do
	H. H. George	do
	Albort Doop	
	F N Hutchinson	do
	W R Dennie	do
	I Otis Jacobs	do
	Geo. C. Moser	do
	Wm, D. Collver	do
	H.J. Hammond	do
	Jno. L. Burgett	do
	Geo. S. Baker	do
	Louis A. Klein	do
	W. N. D. Bird	do
	S. N. Heaton	do
	Hervey T. Potter	do
	F. M. Perry	do
	J. Otis Jacobs Geo. C. Moser Wm. D. Collyer H. J. Hammond Jno. L. Burgett Geo. S. Baker Louis A. Klein W. N. D. Bird S. N. Heaton Hervey T. Potter F. M. Perry Chas. W. Pagle, jr B. P. Wende Wilton F. Crewe Albert Hassall	do
16	B. P. Wende	Couries
	WILLOUGH CREWE	- Dervices

oate.	$\mathbf{Name}.$	Nature of payment.	Total
903.			
or. 16	Thos. Redmond. C. L. Morin Geo. W. Stiles, jr R. W. Hickman. Jno. S. Buckley.	Traveling expenses	\$16
	C. L. Morin	do	5
	Geo. W. Stiles, jr	do	5 2 3
	K. W. Hickman	do	2
	do	do	ã
	Henry J. Washburn	do	6 2 6
	Henry J. Washburn Jno. R. Mohler	do	6
	ono. N. Mollerdo do Mendenhail Transfer Co. Silver Laundry and Towel Co. The Bell Telephone Co. C. A. Schaufler. Dierican Woodworking Machinery Co.	do	9
	Mendenhail Transfer Co	Stamps, etc	3
	Silver Laundry and Towel Co	Towel service	3
	C. A. Cabarfan	Service	40
	American Woodworking Machinery Co	Gauge and roller	105 20
	R. J. O'Brien & Bros Co	Oats	49
	Jas. W. Davis	Use horse, etc	18
	C. A. Schaumer American Woodworking Machinery Co R. J. O'Brien & Bros. Co Jas. W. Davis Glynn & Smith Frontier Towel Supply Co. Nebraska Telephone Co Don C. Aver	Use horse, etc Transportation Towel service Service Use horse, etc	5
	Frontier Towel Supply Co	Towel service	11
	Nebraska Telephone Co	Service	13
	Don C. Ayer		15
	Don C. Ayer  Maryland Telephone and Telegraph Co  Chesapeake and Potomac Telephone Co	Services	12 12
	Albert F. Pohnke	Use horse, etc	35
	Chesapeake and Potomac Telephone Co Albert E. Behnke Wilcox & Harvey Manufacturing Co Theos, A. Bray Martin Laundry and Towel Co Biddle & Bogart Printers' Supply Co J.S. Woodhouse Ben Mills Ches Nake	Punch etc	99
	Thos. A. Bray	Punch, etc Use saddle horse Towel service	75 6
	Martin Laundry and Towel Co	Towel service	6
	Biddle & Bogart Printers' Supply Co	Paint, etc	4
	J. S. Woodhouse	Harrow	19
	Ben Mills	Mare	18
	Chas, Nebo H. M. Brindley W. H. Gould S. M. Davison	do	20
	W. H. Could	do	50 30
	S M Davison	do	50 50
	Red Feather	do	15
	Peter Mosier	do	10
	Isaac Fast Wolf	do	19
	H.O. Alley	Corn	34
	Trustees of the Milk Street Trust	Office rent	292 30
	C. Deaderick	do	30
	T. F. Rogers, agent	do	52
	St. Louis National Steels Vauda Co	do	120 •50
	Emma Curran administratriy	do	21
	The Kansas City Stock Yards Co.	do	45
	Trustees of the Milk Street Trust	do	292
	Warren H. Marshall	Cow	292 28
	Wm. N. Favor	Cattle	59
	J. W. Flanders	do	87
	W. F. Hammond	do	67
	P. P. Drowny	do	511 196
	Edwd L Connor	do	105
	Elwin B Nicholds	do	136
	Herbert N. Fosher	do	118
	Thos. S. Burns	do	118 640
	W. H. Gould S. M. Davison Red Feather Peter Mosier Isaac Fast Wolf H. O. Alley Trustees of the Milk Street Trust C. Deaderick T. F. Rogers, agent Emma J. Adams et al St. Louis National Stock Yards Co. Emma Curran, administratrix The Kansas City Stock Yards Co. Trustees of the Milk Street Trust Warren H. Marshall Wm. N. Favor J. W. Flanders W. F. Hammond T. F. Gilbert R. P. Drewry Edwd. L. Connor Elwin B. Nicholds Herbert N. Fosher Thos. S. Burns H. H. Simons Levin Johnson Anderson & Christofferson O. A. Knowlton A. C. Barnard J. H. Brigham Western Union Telegraph Co Geo. A. Boyd	do	455 143 114 297
	Levin Johnson	do	143
	O A Knowlton	Hay	114
	A C Barnard	Cettle	$\frac{297}{1,040}$
17	A. C. Barnard J. H. Brigham Western Union Telegraph Co. Geo. A. Boyd.	Traveling expenses	1,040
	Western Union Telegraph Co	Service	17 26
	Geo. A. Boyd	Services	120
	Johnson Scabby Face	Mare	15 25
	Ada Tarryson	Services Mare Copy of pleadings Mare do	25
	Sami. Kills Brave	Mare	15
	Johnson Scabby Face Ada Tarryson Saml. Kills Brave White Butterfly Union Stock Yards and Transit Co Stock Yard Paint Co O E Dyson	Cool	15
	Stock Vard Paint Co	Coal Lantern, etc	11
	O. E. Dyson	Use saddle horse	25
	F. D. Ketchum	Use saddle horse Use horse and wagon	25
	O. E. Dyson F. D. Ketchum Sunset Telephone and Telegraph Co. Rocky Mountain Bell Telephone Co. American Linen Supply Co. Iowa Telephone Co. H. A. Hedrick The New York and New Jersey Telephone Co.	Service	10
	Rocky Mountain Bell Telephone Co	Towels and soap	15
	American Linen Supply Co	Towels and soap	3
	Iowa Telephone Co	Service Use horse, etc	12 17
	The New York and N - I - Told I	Use horse, etc	17
	The New York and New Jersey Telephone	Service	31
	Co.		

# $Expenditures of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30.1903---Cont'd.$

ite.	Name.	Nature of payment.	Total.
03.	,		
. 17	Jas. Stikeman	Office rent	\$125.
	Grand Trunk Rwy. System. Weehawken Stock Yard Co	Service	25.
	Weehawken Stock Yard Co	Service	9.
	City Telephone Co	do	9. 3.
	City Telephone Co New England Telephone and Telegraph	do do	12.
	Co.		
	Chicago Car Seal and Manufacturing Co	Tags	2. 28.
	Arthur H. Thomas Co.	Jars	28.
	Library Bureau	Cards	29.
	Library Bureau Dennison Manufacturing Co Chicago Car Seal and Manufacturing Co	Tags	18. 62. 23.
	Chicago Car Seal and Manufacturing Co	Burners, etc	62.
		Burners, etc	23.
	M. Du Perow Jas. S. Topham E. Morrison Paper Co	Switches Trunk handles	1.
	F Manigan Panan Co	Gum labels	1.
	dodo	do	1. 12.
		Shoeing horse	9.
	National Electrical Supply CodoThos. Somerville & Sons	Desk stand Pulley Tin pipe Scale	<i>a</i> .
	do	Pulley	1. 2.
	Thos Somerville & Sons	Tin nine	11.
	The Fairbanks Co	Scale	5.
	W. S. Bailey	Cattle	266.
	W. S. Bailey W. C. Robbins	Cattle Flooring, etc.	266. 177.
	W. C. RODDINS MUITAY Brown Jens Mekkelson M. H. Warden Hiram M. Felch Wm. B. Wallace Jas. Thompson Rutland R. R. Co New York, New Haven and Hartford R. R.	do	16.
	Jens Mekkelson	do	16. 69.
	M. H. Warden	do	57.
	Hiram M. Felch	Cattle	601
	Wm. B. Wallace	Flooring, etc.	40.
	Jas. Thompson	Cattle	716. 4.
18	Rutland R. R. Co	Passenger transportation	4.
	New York, New Haven and Hartford R. R. Co.	do	26.
			1.
	Southern California R R Co	do	3,
	St Joseph and Grand Isle Rwy Co	do	25
	Central Vermont Rwy. Co. Southern California R. R. Co. St. Joseph and Grand Isle Rwy. Co. Atlanta, Knoxville and Northern Rwy.	do	3. 25. -3.
	Co.		٠.
	Nashville, Chattanooga and St. Louis	do	4.
	Rwy. Co.	do	18.
	Southorn Prev Co	do	14.
	Oregon Short Line R. R. Co. Southern Rwy. Co. The Chicago, Burlington and Quincy R. R.	do	22.
	Co.		10.01
	do	do	11.
	The Lake Shore and Michigan Southern	do	108.
	Rwy. Co.		
	Union Pacific R. R. Co	do	17.
	Burlington and Missouri River R. R. Co	do	12. 37.
	Union Pacific R. R. Co	do	37.
	Baltimore and Ohio R. R. Co	do	38.
	Illinois Central R. R. Co	do	19.
	The Pennsylvania R. R. Co	00	17. 57. 21. 27.
	The Chesapeake and Ohio Rwy. Co	do	57.
	Wissouri Pacific Kwy. Co	do	21.
	The Lake Shore and Michigan Southern Rwy. Co. Union Pacific R. R. Co Burlington and Missouri River R. R. Co Union Pacific R. R. Co Baltimore and Ohio R. R. Co Illinois Central R. R. Co The Pennsylvania R. R. Co The Chesapeake and Ohio Rwy. Co Missouri Pacific Rwy. Co The Atchison, Topeka and Santa Fe Rwy. Co.	u0	21.
	Chicago Rock Island and Pacific Power Co.	do	65.
	Chicago, Rock Island and Pacific Rwy. Co. Southern Pacific Co. New York Central and Hudson River R. R.	do	15.
	New York Central and Hudson River R R	do	28.
	Co.		100.
	J. F. Ryder	Traveling expenses	30.
	Chas, A. Brown	do	23
	Geo. E. Totten	do	8.
	Wm. C. Honan	do	18.
	Geo. W. Pope	do	8.
	Jno. A. Bell	do	40.
	G. W. Ward	do	14.
	Geo. M. Whitaker	do	40.
	Major Schofield	do	9.
	Geo. S. Hickox	00	73.
	W.P. Ellenberger	do	12. 33.
	Peter I. Kershner		33.
	Wm. C. Charr	<del>u</del> 0	b.
	W III. G. Shaw	do	6. 27. 7.
	New York Centraland Hudson River R. R. Co. J. F. Ryder Chas A. Brown Geo. E. Totten Wm. C. Honan Geo. W. Pope Jno. A. Bell Geo. M. Whitaker Major Schofield Geo. S. Hickox W. P. Ellenberger Peter I. Kershner Wm. M. MacKellar Wm. G. Shaw Jas. Hewes Ed. H. Webster F. W. Bicknell W. H. Wray Caroline Burnaby J. F. Ryder	do	39.
	E. W. Bioknell	do	250.
	W H Wrox	do	200.
	Carolina Rumahy	Sorviges	6. 40.
		Der vices	172.

Date.	Name.	Nature of payment.	Total
903.			
or. 18	W. H. Wray	Services	\$387
	Louisa Wells	Office rent Use horse, etc	51
	W. H. WEAV. LOUISA Wells J. P. Sine C. E. Remson The Consumers' Co S. W. Burt	Use norse, etc	35
	C. E. Remson The Congument' Co	Cows. Water	40
	S W Rupt	Use horse, etc	25
	Gahn & Byrne Chicago Telephone Co Union Stock Yards and Transit Co Chicago Towel Supply Co	Office rent	675
	Chicago Telephone Co	Service	43
	Union Stock Yards and Transit Co	Office rent Towel service	375
	Chicago Towel Supply Co	Towel service	129
	Jno. C. Lorenzen W. A. Diffley Jno. J. Kerrigan W. J. Murphy	Use horse, etc	35 38
	W. A. Diffley	Hay, etc Flooring, etc Expenses	38
	Jno. J. Kerrigan	Flooring, etc.	5
	W.J. Murphy	Expenses	1
	W. H. Wray Geo, W. Pope Fred, J. Goebel Boyd Baldwin	do	23 4
	Fred I Goobel	do	10
	Boyd Baldwin	do	5
	J B Clanev	do	2
	O.B. Hess	do .	2 5
	Joshua Miller	do	7
	O.B. Hess Joshua Miller Saml. E. Bennett	do	3
	H. A. Hedrick	do	12
	H. A. Hedrick Hiram Jerome Thos. J. Turner	do	9
	Thos. J. Turner	do	17
	W. H. Rose Western L. Johnson E. A. de Schweinitz S. R. Burch E. C. Shroeder Jas. J. Brougham H. A. Christman	The raling arman	20
	Western L. Johnson	Traveling expenses	25 24 17
	E. A. de Schweinitz	Traveling expenses	177
	E.C. Shroeder	Expenses	8
20	Jas J Brougham	do	21
	H. A. Christman	do	21 15
	Wm. Thompson B. P. Wende Geo. C. Faville	do	1
	B. P. Wende	do	2
	Geo. C. Faville	do	20
	T. A Shipley	do	9
	H. M. Rowe	do	9
	T. A. Shipley H. M. Rowe J. B. Clancy Chas, A. Schaufler Ches, M. Chaufler	do	16
	Chas M. Dass	00	39
	F N Untohingon	do	2 14
	Julius Huelson	do	5
	Chas, M. Day Chas, M. Day E. N. Hutchinson Julius Huelsen Geo, S. Hickox W. B. Niles.	do	5
	W. B. Niles	do	19
	Jno. Forbes	do	9
	Joseph M. Good	do	19 9 11
	Harry N. Waller	do	10
	F. P. Ellenberger	do	1
	A. G. G. Richardson	do	2
	M W Tong	The section of the se	9
	A D Movin	Traveling expenses	116
	W. B. Niles Joseph M. Good Harry N. Waller F. P. Ellenberger A. G. G. Richardson do M. W. Lang A. D. Mevin Ernest J. Foreman N. B. Smith	do	62 11
	N. B. Smith	do	33
	Chas. Cowie	do	19
	Jno. F. Schiermann	do	
	J. Wm. Fink	do	198
	Adolph Eichhorn	do	89
21	The Okonite Co. (Limited)	Wire	6
	N. B. Smith Chas. Cowie Jno. F. Schiermann J. Wm. Fink Adolph Eichhorn The Okonite Co. (Limited) Rand, McNally & Co. Whitall, Tatum & Co. Bausch & Lomb Optical Co. Eimer & Amend Allen A. Holcombe Louis K. Green	Ink.	9
	Payagh & Lomb Ontical Co	Tubing.	3
	Eimer & Amend	Doytwing etc.	41 57 35
	Allen A Holcombe	Traveling expenses	35
	Louis K. Green Chas. Wardell Stiles Fred L. Stevens	do	23
	Chas. Wardell Stiles	do	12
	Fred L. Stevens	do Carbolic acid	11
22	Eastern Drug Store	Carbolic acid	620
	B. F. Bascom	Cattle, etc.	474 125 89
	Berry & Ferguson	Lime, etc.	125
	Eastern Drug Store B. F. Bascom Berry & Ferguson Chas. A. Skelton Jas. W. Gould Geo. N. Dunn A. A. Goodell E. F. Mills	Lime, etc Hay, etc Meals, etc	89.
	Geo N Dunn	Means, etc	57.
	A A Goodell	Flooring, etc.	48. 45.
			40.
		Use horse and buggy	28.
	Edward P. Henderson H. H. Simons	do	28.
	B. F. Blaisdell	Flooring, etc.	17.
	F. E. Harrington Amsden Lime Co	Services Lime	9.
			3

te.	Name.	Nature of payment.	Tota
)3.	,		
. 22	Left Crane ron Shell	Mare	\$10
	ron Shell	do	15
	Good Horse	do do Stellion	15
	Good Horse Wm. Fire Thunder		10
	The Consumers Co Geo. E. Howard & Co	Ice Handles	75
	Geo. E. Howard & Co	Handles	(
	do	Labels	SOV
	Lutz & Co F. W. Ainsworth J. B. Clancy Belt Rail Road and Stock Yard Co	Handles Labels Whips, etc Expenses do Office rent	10
	F. W. Ainsworth	Expenses	4
	J. B. Clancy	do	
23	Belt Rail Road and Stock Yard Co	Office rent	30
	New York Telephone Co.  A. W. Swayne Alex Merrivall Eberhard Faber E. C. Atkins & Co.	Service Desk, etc	27 2-
	A. W. Swayne	Desk, etc	24
	Alex Merrivall	Mare	20
	Eberhard Faber	Pencils	17
	E. C. Atkins & Co	Saw, etc	17
	treo. Ladeaux	Mare	30
	Garter Thos. O'Rourke J. F. O'Rourke	do	13
	Thos. O'Rourke	do	3:
	J.F. O'Rourke	do	20
	Mike Jarvis	do	30
	Andrew Grotz	do	10
	Long Elk	do	10
	Andrew Grotz Long Elk Thos. American Horse	do	13
			20
	Bear Bone Jno. Bird Head	do	30
	Jno. Bird Head	do	2
	Jilo, Bird Head F. A. Rowell O. E. Patch Wyckoff & Shattuck Geo. A. Law Jino, C. Chaddock Frank Tucker Parker Bros D. F. Selbron	Services	
	O. E. Patch	Hay, etc.	114
	Wyckoff & Shattuck	Hay, etc Use horse, etcdo	2
	Geo. A. Law	do	13
	Jno. C. Chaddock	do	1: 2:
	Frank Tucker	Lime Bags Traveling expenses	1:
	Parker Bros	Bags	2
			'9
	Lewis L. Bullard		,
	Thos. Castor	do	5
	Thos Castor Dan. McCunningham Leslie J. Allen Louis Metsker: Saml. E. Bennett	do	5'
	Leslie J. Allen	do	4.
	Louis Metsker	do	4-
	Saml. E. Bennett	Expenses	:
			$\frac{2}{1}$ , $\frac{2}{60}$
24	Fred A. Schmidt Geo, E. Howard & Co. Albert E. Behnke. Nathan K. Fegley I. A. Slove.	Paper	13
	Geo. E. Howard & Co	Labels	1,60
	Albert E. Behnke	Labels Expenses	3
	Nathan K. Fegley	do Traveling expenses do	
	J. A. Sloan Harry M. Ball Henry E. Brown	Traveling expenses	3.
	Harry M. Ball	do	3
	Henry E. Brown		10
	W. L. West	do	10
	David W. Noyes	Flooring, etc.	
	W. L. West David W. Noyes W. C. Boyce S. Armstrong Co.	do Flooring, etc Services Hogshead	
	S. Armstrong Co.	Hogshead	2
	Andrew Biggi	Hay, etc	2
	J.J.Fitzgerald	do	1
	Edw. A. Felton	do	3
	J. J. Fitzgerald Edw. A. Felton Clinton P. Howard L. D. Newton Jas. E. Cuthbertson J. W. Parker E. R. French Richd. F. Parker Henry Buxton	do	3 9 4
	L.D. Newton	do	4
	Jas. E. Cuthbertson	Flooring, etc.	2
	J. W. Parker	do	3
	E.R. French	do	1
	Richd. F. Parker	do	3
	Henry Buxton	do	73
	A.D. Boynton	do	7: 2: 1:
	F. H. Kaizer	do	1
	Levi E. Gould	Calf	10
	Emma R. Knowlton	Meals, etc., March and April	9.
	Henry Buxton A. D. Boynton F. H. Kaizer Levi E. Gould Emma B. Knowlton Alvah W. York A. C. H. Jones Boht J. Bronnen	Meals, etc., March and April Flooring, etc.	2
	A. C. H. Jones	do	4
			2 2
	S. E. Brigham Jas. Craddock	dodo	2
	Jas. Craddock	do	1
	R. F. Perkins	dodo	4
	O A Johnson	do	2
	Jno. Cullen C. E. Jennings Aaron C. Barnard	do	2
	C. E. Jennings	Hav	1
	Aaron C. Barnard	Meals, etcdoFlooring, etc	6
	A. A. Goodell J. A. Fisher Jas. B. Johnson	do	5
		T39 : /	2

Date.	Name.	Nature of payment.	Tot
1903.			
pr. 24	Wyckoff & Shattuck	Meals, etc	89
	W. E. Lawton C. H. Jones Adams Bros	do Corn fodder Lime, etc Flogring, etc	5
	Adams Bros	Lime, etc	2
	Adams Bros. Anton Olsen Chas. A. Dudley Geo. E. Jones Chauncy B. Robbins E. & F. King & Co N. Ward Co O. E. Dyson Thos. White David R. Hodges W. R. Fleming H. M. Rowe Matthias S. Lantz Archie H. Wallace Chas. B. Hutchinson Alex. E. Wight U. G. Houck	Flooring, etc.	4
	Chas. A. Dudley	do	17
	Geo. E. Jones	do	10
	E & F King & Co	Lime etc	38
	N. Ward Co	Services	1
25	O. E. Dyson	Expenses	2
	Thos. White	Traveling expenses	1
	David K. Hodges	do	
	H. M. Rowe	do	
	Matthias S. Lantz	do	
	Archie H. Wallace	do	4
	Chas. B. Hutchinson	do	7
	II G Houck	do	12 15
	Frank H. Burleigh	do	1
	E. L. Volgenau	do	3
	Alex. E. Wight U. G. Houck Frank H. Burleigh E. L. Volgenau Raymond W. Graves Jas. Harrington Henry Welsh D. J. Downey I. I. Hasson	Services	
	Jas. Harrington	do	
	D. J. Downey	do	
	J. J. Hasson	do	
	J. J. Hasson Frank Moore	do	
27	F. A. Rowell	do	2
61	Fatek Judge F. A. Rowell R. P. Andrews & Co. (Incorporated) Edw. S. Schmid. Ledyard, Avery & Co. E. J. Brooks & Co. Tooie A. Geddes Levi Wells. M. Imes	Paper White mice	73
	Ledvard, Avery & Co.	Butter	
	E.J. Brooks & Co.	Butter Seals, etc. Trayeling expenses	5
	Tooie A. Geddes.	Traveling expenses	13
	Levi Wells	do	12
30	Marion Dorset et al	Salaries	5, 30 16
ay 1	Clarence O. Durfee	Traveling expenses	16
2	M. Imes Marion Dorset et al Clarence O. Durfee B.F. Van Valkenburgh Ed. H. Webster W. D. Collyer Levi Wells M. W. Lenz	do d	
	Ed. H. Webster	Services	. 16
	W. D. Collyer	do	14
	Levi Wells. M. W. Lang. Virgil L. Brown Geo. M. Whitaker B. F. Van Valkenburgh P. Mann & Co. Jno. E. Shore. Chas Hacker	do	14 14
	Virgil L. Brown	do	
	Geo. M. Whitaker	do	12
	B. F. Van Valkenburgh	do	14
	P. Mann & Co.	Shovel plow, etc	1
	Chas Hacker	Shovel plow. etc Tires, etc Use horse, etc	1
	Chas, Hacker H. J. Harwood Kellogg Switchboard & Supply Co	Rent of land Desk stand Soap, etc. Beakers	6
	Kellogg Switchboard & Supply Co	Desk stand	1 2
	Z. D. Gilman	Soap, etc.	2
	Z. D. Gilman do J. A. Skinner Jas. Pablo	Beakers	2
	Jas Pablo	Mare Stallion	2
	W A KOPIZ		ĩ
	T.G. Sellew H.H.Cheney	Mare Desk, etc. Meals, etc Use horse, etc	5 2
	H. H. Cheney	Meals, etc	2
	H. H. Cheney J. F. Donahue New Oxford Hotel A. H. Little J. A. Colby Geo. L. Hooper Daniel A. Carleton Marville Co. Norris A. Dunklee Albort False	Use norse, etc	2
	A H Little	Meals, etc	8 2
	J. A. Colby	Use horse, etc	ĩ
	Geo. L. Hooper	do	
	Daniel A. Carleton	Service	
	Marville Co	Lime.	0
	Albert Fales	Lime. Use horse, etc For inoculation.	2
	Albert Fales E. J. Davis American Soapstone Finish Co. H. M. Felch G. W. Chandler W. J. Freeman McManus Bros	Brooms	
	American Soapstone Finish Co.	Brooms Lime Use horse, etc	6
	H. M. Felch	Use horse, etc.	1
	W. I. Fromer	Meals, etc Horse, etc Service Meals, etc	2
	McManus Bros	Service	5 6
	Phoenix Hotel	Meals, etc.	6
	Isaac Alger, jr	Hay, etc Meals, etc	7
	McManus Bros Phoenix Hotel Isaac Alger, jr C. B. Gilman	Meals, etc	1
4	Wm. A. Faldwin et al Saml. E. Bennett et al W. H. Rose et al Harry N. Waller et al	Salaries	59
	W H Rose et al	do	$2,22 \\ 1,13$
		UU	1,15

Date.	Name.	Nature of payment.	Total.
1903.	H. A. Hedrick et al Geo. W. Pope et al Julius Huelsen et al Spotted Owl J. D. Richards W. C. Smoot Chas. Smalley Jno. Conroy L. D. Turner Nelson Shaugreaux Geo. P. Comer. Patck. Condon Northeastern Telephone and Telegraph Co		
ay 4	H. A. Hedrick et al	Salaries	\$468.
-	Geo. W. Pope et al.	do	625
	Julius Huelsen et al	do	675. 7. 15.
	Spotted Owl	Mare	7.
	J. D. Richards	do	15.
	W. C. Smoot	do	17.
	Chas. Smalley	do	20.
	Jno. Conroy	do	12.
	L. D. Turner	do	50.
	Nelson Shaugreaux	do	25.
	Geo. P. Comer	do	15.
	Nanthanatawa Malanhana and Malananah Ca	Services	97. 128.
	Wm M H Sonbrook	Service	120.
	W. H. Konnady	Services	52. 100. 98.
	Chee F Flooken	do	100.
	Wm P Ellenberger et al	Salarios	189.
	Edw P Doud et al	do	189
	Nathan K Feelev et al	do	182. 257.
5	Henry P Armsby et al	do	201
0	F W. Huntington et al	do	150.
	Geo. P. Comer Patck. Condon Northeastern Telephone and Telegraph Co Wm. M. H. Seabrook W. J. Kennedy Chas. F. Flocken Wm. P. Ellenberger et al Edw. P. Doud et al Nathan K. Fegley et al Henry P. Armsby et al F. W. Huntington et al Boyd Baldwin et al Lewis R. Baker et al Albert Dean et al Harry N. Waller et al Tooie A. Geddes — do Albert Dean	do	150. 637. 942. 609.
	Lewis R. Baker et al	do	942.
	Albert Dean et al	do	609.
	Harry N. Waller et al	do	2,708.
	Tooie A. Geddes	Services	164.
	do	do	172.
	Albert Dean Geo. E. Bedell American Soapstone Finish Co	Expenses	5.
	Geo. E. Bedell	Repairing chair Lime Use horse, etc	1. 2.
	American Soapstone Finish Co	Lime	2.
	G. L. Hooper Fuller Bros	Use horse, etc	5.
	Fuller Bros	do	12.
	H.O. Chase Frank W. Loud	do	12.
	Frank W. Loud	do	12.
	W. H. Higgins	do	24.
	Parker Bros	Bags, etc	28. 30.
	C. I. Domes	Use norse, etc	9U.
	Parker Bros Frank E. Shaw S. L. Perry Frank Tucker & Co	Bags, etc.	43. 79.
			1.
6	do Jno. Forbes et al	Lime Salaries	3, 112.
U	Jac Johnston et al	do	1 832
	Jas J. Brougham et al	do	1,832, 1,486.
	Louise Faust et al.	do	26.
	Albert E. Behnke et al	do	1,203.
	Harrison H. George et al.	do	839.
	Chas. A. Schaufler et al.	do	952.
	Edw. P. Schaffter et al	do	629.
	Geo. C. Faville et al	do	288.
	Joshua Miller et al	do	257. 190.
	Jas. S. Kelly et al	do	190.
	Richd, Blanche et al	do	182. 182.
	Fredk. Braginton et al	do	182.
100	F. D. Ketchum et al	do	1,063.
7	A. G. G. Richardson et al		7,726.
	Jno. Forbes et al. Jas. Johnston et al. Jas. Johnston et al. Jas. Johnston et al. Louise Faust et al. Albert E. Behnke et al. Harrison H. George et al. Chas. A. Schauffer et al. Edw. P. Schaffter et al. Geo. C. Faville et al. Joshua Miller et al. Joshua Miller et al. F. D. Ketchum et al. F. D. Ketchum et al. A. G. G. Richardson et al. J. B. Clancy et al. J. B. Clancy et al. J. S. Fleming et al. Jas. Fleming et al. Walter J. Stewart et al. Barber & Ross.	do	3,978.
8	O. F. Dyson et al	do	3,289.
0	Los Floming et al	do	8, 898. 999.
	Walter I Stewart at al	do	3, 778.
	Raphar & Rose	Tacks ate	6.
			4.
	Z. D. Gilman	Paraffin	14.
	Wm. M. Galt & Co.	Meal and bran	224.
	Z.D. Gilman Wm. M. Galt & Codo N. H. Shea	Paraffin Meal and bran Oats, etc	224. 1,628.
	N. H. Shea	Soapine	
	W.G.Off & Co		
	M. Landsay Rubber Co	Rubber Sheeting	:
	do	Sheeting	
	Washington Gaslight Co. Adams Express Co	1100	44.
	Adams Express Co	Transportation Roach powder, etc Service	39. 76.
	Mackall Bros The Chesapeake and Potomac Telephone Co do	Roach powder, etc	76.
	The Chesapeake and Potomac Telephone Co	Service	4.
	do	Transportation	21.
	United States Express Co. Potomac Electric Power Co. Wyckoff, Seamans & Benedict	Transportation	21.
	Potomac Electric Power Co	Current	38.
	Wyckoff, Seamans & Benedict	Paper	11. 6.
	Chas, R. Edmonston J. D. Frazee Columbia Liquid Air Co	Lock, etc	14.
		Liquid air	17.

•	Name.	Nature of payment.	T
-			
8 1	Jno. Mitchell, jr	Trap, etc	
i	Houghton & Delano	Solio, etc	
	Houghton & Delano Postal Telegraph-Cable Co W. J. Brooks Lutz & Co Jno. O. Bell Jas. Hewes A. B. Morse et al M. O. Anderson et al.	Service	
9	W.J. Brooks	Implements	
	Lutz & Co	Lap robes, etc	
	Jac Howas	Services	
	A R Moreo et al	Salarias	
1	M O Anderson et al	do	2,
	M. O. Anderson et al. Robt. Darling et al. Virgil L. Brown et al. Bernhard P. Wende et al. A. J. Hill et al. Chas. C. McKeon U. G. Houck. Las. J. Rieman	do	
	Virgil L. Brown et al	do	2.
	Bernhard P. Wende et al	do	
	A. J. Hill et al.	do	1.
	Chas. C. McKeon	Services	
	U.G. Houck	do	
	Jas. J. Rieman	do	
	Benj. J. Glavin	do	
	Wm. Thompson et al.	Salaries	
	Harry D. Paxson et al.	00 	
	Jas. J. Rieman Benj. J. Glavin. Wm. Thompson et al. Harry D. Paxson et al. W.B. Niles et al. Trajan A. Shipley et al. Geo. Ditewig et al. Wesley N. Niel et al. Jos. M. Good et al.	do	
	Geo Ditewig et al	do	
	Wesley N. Niel et al	do	
	Jos. M. Good et al.	do	
	Clarence Loveberry et al	do	
	Wesley N. Niel et al Jos. M. Good et al. Clarence Loveberry et al F. L. De Wolf et al W. H. Gibbs et al W. J. Murphy et al Chas. H. Zink et al Fredk. A. Ainsworth et al Louis K. Green et al Jno. McBirney A. J. Pistor David C. Hanawalt Isaac W. O'Rourke R. A. Ramsay M. S. Lantz H. J. Hammond J. Otis Jacobs Jno. J. Hayes Frank C. Eells	do	
	W. H. Gibbs et al	do	
	W. J. Murphy et al	do	
	Chas. H. Zink et al.	do	
	Fredk. A. Ainsworth et al.	do	
	Louis K. Green et al	do	
	A T Dieton	Services	
	David C Hanawalt	do	
	Isaac W O'Rougho	do	
	R A Ramear	do	
	M. S. Lantz	do	
	H. J. Hammond	do	
	J. Otis Jacobs	do	
	Jno. J. Hayes	do	
	Frank C. Eells	do	
	Frank C. Eells Arthur R. Glaisyer W. S. Cass Roy N. Drake Clinton H. Bugbee	do	
	W.S. Cass.	do	
	Clinton U Pughoo	do	
	Geo A Rond	do	
	Cintron H. Bugbee Geo. A. Bond. Thos. White N. L. Townsend Warren Worcester N. B. Smith H. M. Rowe	do	
	N. L. Townsend	do	
	Warren Worcester	do	
	N. B. Smith	do	
1	H. M. Rowe	do	
1	Walter E. Howe	do	
	Russell G. Merrill	do	
1	H. M. Rowe Walter E. Howe Russell G. Merrill F. O. Pettey Wm. Pflaeging W. R. Dennis Thos. Redmond A. J. Smith David R. Hodges Geo. S. Hickox A. A. Holcombe Murray J. Meyers F. W. Hopkins Willis B. Lincoln J. M. Turner Fredk, T. Dolan S. W. McClure	do	
1	W.H. Flidegilig	do	
	Thos Redmond	do	
1	A. J. Smith	do	
	David R. Hodges	do	
Ų	Geo, S. Hickox	do	
	A. A. Holcombe	do	
	Murray J. Meyers	do	
	F. W. Hopkins	do	
	Willis B. Lincoln	do	
	J. M. Turner	do	
	Freuk. T. Dolan	do	
	Lowell Clarks	do	
	Robt H Treacy	do	
	Jno. McBirney	Traveling expenses	
	A. J. Pistor	dodo	
	Fredk T. Dolan S. W. McClure Lowell Clarke Robt, H. Treacy Jno, McBirney A. J. Pistor Isaac W. O'Rourke R. A. Ramsay H. J. Hammond J. Otis Jacobs Jno, J. Hayes Frank C. Eells W. S. Cass Clinton H. Bugbee Geo. A. Bond	do	
	R. A. Ramsay	do	
	H. J. Hammond	do	
	J. Otis Jacobs	do	
	Jno. J. Hayes	do	
-	Frank C. Eells	do	
	W. S. Cass	do	
		do	

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 $Expenditures of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30, 1903-Cont'd.$ 

Date.	Name.	Nature of payment.	Total.
1903.			
May 11	N. L. Townsend Warren Worcester Walter E. Howe	Traveling expenses	\$16. 2 76. 7
	Warren Worcester	do	76.7
	Walter E. Howe	do	11.0
	Watter E. Howe F. O. Pettey Tooie A. Geddes Robt, H. Treacy W. S. Cass. D. Cumming H. D. Mayne C. L. Moyin	do	45. 2 97. 5
	Robt H Treacy	do	44. 2
	W. S. Cass	Horse hire	34.0
12	D. Cumming	Services	60.0
	H. D. Mayne	do	98, 9
	C. L. Morin	do	98.9
	C. L. Morin F. M. Perry Harry F. Hume Thos. A. Bray	do	115. 4 59. 3
	Harry F. Hume	do	59.3
	Thos. A. Bray	do	115. 4
	Ernest J. Foreman	do	115. 4 115. 4 115. 4
	Geo W Browning	do	115.4
	Louis A. Klein Ernest J. Foreman Geo. W. Browning Geo, E. Totten	do	115, 4
	C. A. Clawson Jas. W. Davis Geo. W. Butler W. E. Hill	do	115. 4
	Jas. W. Davis	do	74.2
	Geo. W. Butler	do	115.4
	W. E. Hill	do	98.9
	Dora Van N. Hosmer Laura D. Burke G. W. Ward	do	98. 9 12. 3 13. 1
	C W Word	do	15.1
	G. W. Ward Chas, Cowie Wm. E. Smith Wm. H. Wade Wm. R. Fleming Henry Walsh Wm. R. Shaw Arch. H. Wallace Leslie J. Allen Henry B. Adair Thos, Castor Lewis Metsker Frank W. Brewer Morey A. Sappington Wm. M. McKellar Peter I. Kershner C. A. McCall Dan McCunningham	do	115.4 168.0
	Wm E Smith	do	90.0
	Wm. H. Wade	do	74. 2
	Wm. R. Fleming	do -	115 4
	Henry Walsh	do	15. ( 115. 4 115. 4
	Wm. G. Shaw	do	115.4
	Arch. H. Wallace	do	115.4
	Leslie J. Allen	do	123. (
	Henry B. Adair	do	123. (
	Thos. Castor	do	123.6
	Enong W. Program	00 	115.4 98.8
	Morey A Sannington	do	98.6
	Wm M McKellar	do	98, 8 98, 8
	Peter I. Kershner	do	115.4
	C. A. McCall	do	98.9
	Dan McCunningham	do	98.9
	Wm. D. Jordan	do	98.9
	Jno. L. Burgett	do	98.9
	Dan McCunningham Wm. D. Jordan Jno. L. Burgett Western L. Johnson	do	98.9
	Geo. C. Moser	do	98.9 74.2
	Unas. A. Brown	do	74.2
	Martha Schnoll	do	16.
	Katherine Welland	do	6. 5
	Mae Searles	do	11.5
	Anna Klingel	do	17.9
	Tresey Cowen	do	13.1
	O. B. Hess et al.	do	13. 1 191. 2
	Niels C. Sorensen et al	do	1,971.6
	Western L Johnson Geo, C. Moser Chas, A. Brown Harry L. McDonald Martha Schnell Katherine Welland Mae Searles Anna Klingel Tresey Cowen O. B. Hess et al Niels C. Sorensen et al Geo, S. Baker et al Chas Keane et al	do	413.8
	Chas. Keane et al Geo. P. McCabe Wm. Lochte	Trovoling ornorgo	420, 4 35, 6
13	Win Lookto	Traveling expenses	59. t
15	Trustees of the Milk Street Trust	Shoeing horses Rent	75. (
11)	Edw S Schmid	Feed	10. 7 75. ( 14. ( 148. 7 1, 600. (
	Edw. S. Schmid Geo. D. Markham	Hogs	148.7
	Geo. E. Howard & Co	Labels	1,600.0
	Geo. E. Howard & Co. Chicago Car Seal and Manufacturing Co. Hooper, Lewis & Co.	Tags Supplies Stationery, etc	14. 8 3. 8
	Hooper, Lewis & Co	Supplies	3.8
	do	Stationery, etc	6.0
	(10)	* (10)	8.
	do do	do	10.8
	do	dodo	10.6 11.6 12.5 2.9 7.5 50.6
	do	do	9 (
	Ray State Clean Towel Co	Towel service	7
	Bay State Clean Towel Co St. Louis Union Stock Yards James Beggs & Co S. M. Birch Lumber Co	Rent	50
	James Beggs & Co	Supplies	11.0
	S. M. Birch Lumber Co	Lumber, etc Supplies	45. 5
		Supplies	7.9 7.9
	do	do	7.9
	Eimer & Amend	Laboratory material	42.
	Eimer & Amenddo The Friedenwald Co	Laboratory material	42.9 17.0 919.3

	Name.	Nature of payment.	Total
1903.		D'I	54
ay 15	The Baker & Adamson Chemical Co	Fiber Solder	\$1 1
	L. Conen & Co.	Chemicals	1
	E A do Schweinitz	Traveling expenses	25 101 177
	Topie A Geddes	do	101
	F. W. Bicknell	do	177
	F. W. Bicknell Wm. D. Jorden H. Q. Thompson Albert N. Irwin Wilton F. Crewe H. H. George A. G. Bibbs. Harmon A. Christman et al. E. N. Hutchinson et al. J. C. Milnes et al Leonard Pearson Jas. Irwin	do	69 127
	H. Q. Thompson	do	127
	Albert N. Irwin	do	184
	Wilton F. Crewe	do	18
	H. H. George	Expenses	6 2
	Hermon A Christman et al	Solories	835
	E N Hutchinson et al	do	385
	J. C. Milnes et al	do	385 611
	Leonard Pearson	Services	200
	Jas. Irwin	do	82
16	M. Imes	Traveling expenses	82 142 70
	L. Enos Day	do	10
	Geo. M. Disnong	00	19
	S F Rannett	do	45 35
	Walter H. Hersey	do	64
	Geo, E. Wagner	do	64 19
	Leonard Pearson Jas Irwin M. Imes L. Enos Day Geo. M. Dishong Henry E. Brown S. E. Bennett Walter H. Hersey Geo. E. Wagner Frank L. Shipp Fred L. Stevens Thos. Coyle Ernest D. Everett Harry K. Walter F. D. Ketchum Louis Metsker	do	20
	Fred L. Stevens	do	26
	Thos. Coyle	do	48
	Ernest D. Everett	do	
	Harry K. Walter	do	74
	Louis Metsker	do	35 11
	C. I. Morin	do	14
	C. L. Morin Russell G. Merrill	do	
	Thos. Redmond	do	18
	Clarence A. Clawson	do	41
	Chas. Cowie	do	19
	Wm. F. Pflaeging	do	15
	Wm. C. Honan	do	16
	Willis B. Lincoln	do	15 11
	Russell G. Merrill Thos. Redmond. Clarence A. Clawson Chas. Cowie Wm. F. Pflaeging Wm. C. Honan Willis B. Lincoln G. W. Ward W. B. Niles W. D. Collyer M. W. Lang Jas. Hewes Richard J. Blanche	00	11
	W.D. Collyon	do	~~
	M W Lang	do	77 129
	Jas. Hewes	do	18
	Richard J. Blanche	do	
	Geo. W. Pope Arthur B. Morse	do	
	Arthur B. Morse	do	11 28
	Allen A. Holcombe	do	25
	Allen A. Holcombe Hooper, Lewis & Co Arthur W. Bryant Adams Bros	Supplies	01
	Adams Bros	Time	2]
	G C Preston	do	2
	A. W. Hunt	Burying cattle	į
	P. W. Cunningham	Horse hire	1
	Jos. N. Murray	do	12
	Harry F. Tilden	do	17
	M. C. Baldwin	Calf	5
	J. A. Dodge	Horse hire	2-
	P W Pooks ad	Doard	16
	Adams Bros G. C. Preston A. W. Hunt P. W. Cunningham Jos. N. Murray Harry F. Tilden M. C. Baldwin J. A. Dodge Phoenix Hotel P. W. Packard Saml. A. Fowle	do	12 40
	E. L. Lackey	do	10
	M. A. Reed	do	12
	Edwin Rice	do	12
	Edwin Rice Chas. H. Peaslee	Calves	18
	B. F. Bascom G. L. Hooper New England Telephone and Telegraph Co-	Burying cattle Board of horse	503
	G.L. Hooper	Board of horse	15 58
	New England Telephone and Telegraph Co.		ã
	Fred A. Schmidt Thos. Somerville & Sons. American Ice Co E. G. Schafer & Co	Paper Plumbing material	1
	American Ice Co	Teo	27
	E.G. Schafer & Co	Ice Pipe	
	F. P. Shea	Cattle	120
	F. P. Shea F. A. Ketchum Russell G. Merrill	Cattle Horse hire do	25
	Russell G. Merrill	do	18
	Jas J. Brougham Jas Lone Elk Walter Corey Co I. H. Tourtellotte		40
	Jas. Lone Elk	Bay mare Desk Horse hire	13
	waiter Corey Co	Desk	19 32

# $Expenditures of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30, 1903-{\bf Cont'd}.$

Date.	Name.	Nature of payment.	Total.
1903.	,		
May 16	Shannon & Axtell	Feed	\$11.80
	Jas. W. Davis	Feed Horse, etc	18.00
	Don C. Ayer	do	15.00
	Geo. W. Pope	Expenses	3.88 42.00
	Jas, W. Davis. Don C. Ayer Geo, W. Pope W. H. Wade W. H. Rose Boyd Baldwin W. P. Wilse	do	42.00
	Royd Baldwin	do	14.8
			5. 12 16. 00
			9, 06
	A. G. G. Richardson F. Auerbach & Bro Geo, S. Baker Ray N. Drake Arthur C. Hart Levi Wells Warren J. Fretz	Rent	30.00
18	Geo. S. Baker	Traveling expenses	6.90
	Ray N. Drake	do	56. 56
	Levi Wells	do	5. 0 137. 2 68, 9
	Warren J. Fretz	do	68. 9
	U.G. Houck	do	146. 9: 15. 2: 113. 40
	E. A. de Schweinitz	Expenses Diseased animals	15. 29
	U.G. Houck E. A. de Schweinitz S. O. Nichols Chas, N. Peaslee	Diseased animals	113.40
	Chas. N. Peasiee	do	584.50
	Daniel Jameson	do	230, 90 238, 00
	Edw. Rice	do	369 66
	J. A. Richards	do	256, 96 238, 06 369, 66 28, 06
	Chas A. Peassee J. G. Morse Daniel Jameson Edw. Rice J. A. Richards Jas. Thompson R. L. Childs	do	931. 00 345, 16 1, 316. 76 1, 047. 96
	R. L. Childs	do	345, 16
	H. O. Chase Arthur H. Little Wm. Krafft	do	1,316.76
	Wm Krofft	Corroreline	1,047.90
	Library Bureau	Cover slips Cards Tags	5. 10 16. 90
	Chicago Car Seal and Manufacturing Co.	Tags	43.20
	Wm. Krafft Library Bureau Chicago Car Seal and Manufacturing Co. Chadwick Copying Book Co. Wm. E. Pratt American News Co Chas. Keane Robt. Darling Albert E. Behnke Bay State Clean Towel Co. Holy Rosary Mission McNally Bros Edwin Rice Jno. Ford	Books	50. 88 20. 40
	Wm. E. Pratt	Hog rings	20.4
	American News Co	Bone folders	1.5
	Poht Darling	dodo	25. 0 25. 0
	Albert E Rehnke	do	35.00
	Bay State Clean Towel Co	Towel service	3.7
	Holy Rosary Mission	1 horse	25.00
19	McNally Bros	1 horse Horse, etc., hire	3. 73 25. 00 21. 00 36. 73
	Edwin Rice	Board, etc.	36.78
	Jno, Ford	Horse nire	9. U
	Oliver Whyte & Co Jno. Ford Smith & Thayer Co	Horse, etc., mre Board, etc Horse hire Wire cloth Horse hire Plumb mat	2.53 27.00
	Smith & Thaver Co.	Plumb mat	3.90
•	do Houghton & Dutton	Suit case	24.58 7.00
	Houghton & Dutton	Suit case	7.00
	Edw. W. Hobart	Horse hire	22.7
	G G Proston	Horse hire  do Lime Hire of horse and buggy	26.00 3.00
	G. C. Preston Calvert H. Playdon	Hire of horse and buggy	10.00
	Chas. S. Moore	do	21.00
	Chas, S. Moore J. C. Barton Burditt & Williams Co	Board Hardware	21.00 44.2 2.70 4.82
	Burditt & Williams Co	Hardware	2.73
	do Cutter & Cutter	do Suit case.	4. 82 15. 00
	G. L. Hooner	Roard etc	54.00
	G. L. Hooper do Franklin Rubber Co	Board, etcdo Rubber goods	24.00
	Franklin Rubber Co	Rubber goods	126 24
	do Geo. D. Markham	Horse hire	269. 19 148. 73 35. 00
	Geo. D. Markham	Hogs	148.73
	Jno. B. Sine	Horse hire	35. U
	S. W. Paret	Supplies	5, 10 25, 0
	A. P. Little S. W. Burt Jno. C. Lorenzen	Horse hire Horse, etc., hire	35.10
	O. E. Dyson	do	25.00
	Jas. R. Stafford	do	5. 00 20. 00
	Josephine Ponrier	Hongo	20.00
	Jas. R. Stafford Jas. R. Stafford Josephine Ponrier T. B. Miller Passiac Feed Co	do Hay Supplies Horse and buggy do Lexpenses do do	10.00 10.68
	H W Mills & Co	Supplies	10. 73
	H. W. Mills & Co. W. S. Cass	Horse and buggy	34.00
	S.E. Bennett W.H. Wray Julius Huelsen. Allen A. Holcombe	do	34.00 38.00
	W.H.Wray	Expenses	2.85 7.90
	Julius Huelsen	do	7.90
	Allen A. Holcombe		1.50
			3. 30 3. 40
	William G. Shaw W. H. Wray A. B. Glaisyer W. H. Wray	do	7.08
	A D Claisman	do	29. 2
	A. K. Gradsver		

ate.	Name.	Nature of payment.	Total
903,			
y 19	Caroline Burnaby	Salary	\$40
20	F T Davison et al	Salarias	866
	F. L. Russell	Salary	75
	F. L. Russell New York Telephone Co. Geo. E. Howard & Co. D. Frank Parker	Rent	18
	Geo. E. Howard & Co	Labels Supplies	2,400
24	D. Frank Parker	Supplies	84
21	B. Frank Parker B. Carter Ballantyne Lutz & Co W. A. Gould Sharp & Smith Lens & Lossan do United States Envelope Co F. P. May & Co	do	37
	Lutz & Co	Harness Burying cattle	35
	W.A. Gould	Burying cattle	25
	Snarp & Smith	Instruments	34
	Lens & Lossan	Syringes, etc.	ã
	United States Envelope Co	Instruments Envelopes	136
	E D Man & Co	Tropes	196
	Mackall Bros	Druge	71
	G F Koofo	do	71 17
	Cinted States Envelope Co F. P. May & Co Mackall Bros G. F. Keefe R. F. Robinson A. P. Hadley M. E. Brigham Juo, F. Elkins Geo, A. Tayloy	Horse etc hire	17
	A P Hadley	do	10
	M E Brigham	do	18
	Ino F Elkins	do	8
	Geo. A. Taylor	do	28
	Geo. A. Taylor A. W. Dow Frammingham Coal Co Edw. M. Nichols Jno. Ford H. F. Haynes Cushing House L. W. Rrayer	do	16
	Frammingham Coal Co	Lime	5
	Edw. M. Nichols	Horse hire	10
	Jno. Ford	do	21
	H. F. Havnes	do	15
	Cushing House	do	7
	L. W. Brewer	do	10
	L. W. Brewer McManus Bros Hotel Henniker J. F. Ryder do Ames Plow Co Brighton Stock Yards Co	do	28 28
	Hotel Henniker	Board	28
	J. F. Ryder	Traveling expenses	30
	do	Services	164
22	Ames Plow Co	Supplies	79
	Brighton Stock Yards Co	Horse hire	20
		Board, etc	19
	O.F.Sage. jr F.A.Rowell	Suit cases	35
	F. A. Rowell	Teaming, etc	6
	Chas. H. Thwing	Use of horse and buggy	16
	Geo. Boynton Revere Rubber Co McManus Bros.	Suit cases. Teaming, etc Use of horse and buggy Teaming, etc. Supplies Use of horse and buggy Board etc.	1
	Revere Rubber Co	Supplies	41
	McManus Bros	Use of horse and buggy	18
	B. L. Lockwood Mrs. A. H. Wells Chas. Hacker Edison Electric Illuminating Co Russell G. Lawton David S. Kanstoroom Ernest J. Foreman Jas. W. Parker Jno. L. Burgett Arthur B. Morse. Chas. M. Day. A. D. Melvin E. N. Hutchinson A. J. Pistor Walter E. Howe	Board, etc.	69
	Mrs. A. H. Wells	do	62
	Unas. Hacker	Horse hire	19
	Edison Electric Illuminating Co	Lights	1
	Russell G. Lawton	Traveling expenses,	34
	David S. Kanstoroom,	do	56
	Ernest J. Foreman	do	22
	Jas, W. Parker	do	14
	Anthur P. Moreo	do	11
	Ches W Do-	a_	90
	A. D. Molyin	a00	5 28 81
	F N Hutchinson	do	4
	A I Dietor	do	1
	Walter E. Howe	do	10
	Watthias S Lantz	do	9
	Watter E. Howe Matthias S. Lantz David R. Hodges Nathaniel B. Smith E. J. Brooks & Co. E. C. Schroeder C. L. Beldon Hamlet Wight	do	16
	Nathaniel B Smith	do	12
	E. J. Brooks & Co	Spale	35
23	E. C. Schroeder	Expenses	6
25	C. L. Beldon	Flooring etc	22
	Hamlet Wight	do	31
	D. E. Sherman	do	35
	A. J. Peters	do	35 5
	A. J. Connelly	do	23
	W. L. Pickard	-do	127
	C. L. Bellion Hamlet Wight D. E. Sherman A. J. Peters A. J. Connelly W. L. Pickard T. S. Pingry S. W. Marshall Abijah G. Jones	do	46
	S. W. Marshall	do	10
	Abijah G. Jones	do	255
	A. A. Hutchinson	do	13
	Abijah G. Jones A. A. Hutchinson Monroe E. J. White Adams	do	255 13 11
	E.J. Whitney	do	24
	Frank L. Howe	do	5
	Curtis W. Drew	Expenses	20
	E. J. Wittley Frank L. Howe Curtis W. Drew Geo. W. Marshall Benj. Derby W. A. Blodgett W. H. Hutt Ira H. Angell	Flooring	38
	Benj. Derby	do	135
	W. A. Blodgett	do	64 61
		3	61
	W H Hutt		

Date.	Name.	Nature of payment.	Tota
1903.	,		
ay 25	Thos. Mattie	Flooring	\$14
	H. A. Carney Sarah E. Wheeler	do	24
	Sarah E. Wheeler	do	71
	Jno. Mekkelsen	do	10
	Christian Larsen   Geo. C. Fisher	do	58 14
	Chas. Melvin	do	79
	Wm. A. Phelps	do	48
	Alonzo Calkins Jas. Mattie Afraid of Eneny Her Plenty Horse Howard Bad Bear Trustees of the Milk Street Trust Wyckoff, Seamans & Benedict Church & Stephenson H. A. Hedrick Jno. A. Kiernan Harry N. Waller	do	3
	Afraid of Enery	Horse	10
	Howard Red Poor	do	1: 1:
	Trustees of the Milk Street Trust	Rent	7:
	Wyckoff, Seamans & Benedict	Typewriter.etc	78 92
	Church & Stephenson	Lumber, etc	49
	H. A. Hedrick	Horse hire	12 81
	Jno. A. Kiernan	Traveling expenses	81
	Harry N. Waller Geo. T. Hanton Jno. P. O'Leary Chas. B. Hutchinson Harry O. Thompson	do	
	Ino P O'Leavy	do	58 68
	Chas B Hutchinson	do	8
	Harry Q. Thompson	-do	94
	Chas, B. Hutchison Harry Q. Thompson Frank W. Brewer Milton T. Perry Frank E. Pallitt Edw. C. Joss	do	76
	Milton T. Perry	do	3° 1-
	Frank E. Pallitt	[do	1:
	Edw. C. Joss	de	
	F. M. Perry Peter I. Kershner	do	1; 1'
	Chas. A. Brown	do	1:
	W. L. Johnson	do	1
	W. L. Johnson Clinton H. Bugbee	do	35
	Geo. C. Moser	do ·	36
	Arch. H. Wallace	do	2
	Arch. H. Wallace B. F. Van Valkenburgh F. L. Russell	do	18
	Morey A Seppington	do	3/ 3:
	Morey A. Sappington G. H. Parks	do	2
	Thos. White	do	2
	J. Otis Jacobs	do	3
	R. A. Ramsay F. O. Pettey Thos. Castor	do	33
	F.O. Pettey	do	2
	Thos. Castor	do	7.
	Louis A. Klein S. R. Burch	do	30
	Geo. M. Whitaker	do	2
	Warner Worcester	do	38
	J. B. Clancy	Expenses	
			:
	Chas. C. McKeon	Services	28
93	OCO. D. THOROX		57
23 27	Kny Scheerer Co	Supplies	10
21	Cornelius Cronan	Horse hire	2
	D. C. Whittemore	do	10
	T.O. Sullivan Waldo H. Brownell	Flooring, etc	20
	Waldo H. Brownell	Horse nire	20
	Dexter B. Clark	Flooring, etc	15
	Fred. F. Walker		59 10
	E. G. Boynton Geo. L. Spear		40
	Los F Lamson	do	11
	Edwd. De Young	do	
	McManus Bros	Horse hire	:
	Geo. H. Damsonng McManus Bros Geo. H. Wilson Fitz. H. Norseman Ridge Hill Farms A. M. Tool	do	
	Fitz. H. Norseman	Di	1 15
	Ridge Hill Farms A. M. Teal	rooring, etc.	1,150
	A. III. I Cal	ao	373
	E.F. King & Co	Lime Lime, etc	208
	C.L. De Normandie	Flooring, etc	223
	H. Zoller	do	11:
	Saml. Russell	do	33
	H. B. Read	dodo	38
	B. J. Adams	Horse hire	30
	Granite Rwy Co	Flooring, etc.	14
	Edourd Casavant H. L. Newton	Hay, etc	50 27 42 22
			F-1

ate.	Name.	Nature of payment.	Tota
903.			
y 27	Jas. C. Gould	Horse	\$30 17
	Jas. C. Gouldt Jas. Wilson Jasper Birk Wm. Bicksler W. H. Robinson Johnson Bros H. B. Smith Rudolph Hagel	do	17
	Jasper Birk	do	30
	Wm. Bicksler	do	2£ 80 35
	W. H. Robinson	Horses	80
	Johnson Bros	do	35
	H. B. Smith	do	70
	Rudolph Hagel	do	25
	Jno. Steele Alex. Adams Tom Wilson	do	1.5
	Alex. Adams	do	20
	Tom Wilson	do	20
	Peter Mosier	do_	17
	A. R. Wake	Traveling expenses	£
	Peter Mosier A. R. Wake Joshua Miller W. C. Pennywitt Rice P. Steddom	do	4
	W. C. Pennywitt	do	19
	Rice P. Steddom	Service	137
	Rice P. Steddom do fred W. Ainsworth Geo. G. Markham Marion Dorset et al W. H. Saylor Levi Wells Geo. M. Whitaker W. D. Collyer Ed. H. Webster	do	148
	Fred W. Ainsworth	Expenses	178
29	Geo. G. Markham	Horse	178
	Marion Dorset et al	Salaries	5,585
e 1	W. H. Saylor	Services	64 15
	Levi Wells	do	15
	Geo. M. Whitaker	do	12'
	W. D. Collyer	do	15
	Ed. H. Webster	do	170
	B. F. Van Valkenburgh	do	158
	W. D. Collyer Ed. H. Webster B. F. Van Valkenburgh M. W. Long Chas, F. Flocken Ira R. Atherton A. F. Martins Adolph Eichhorn Alex, E. Wight Jno. V. Laddey Harry M. Ball Thos. L. Rice Geo. A. Johnson	do	15
2	Chas. F. Flocken	Traveling expenses	14: 48
	Ira R. Atherton	do	48
	A. F. Martins	do	144
	Adolph Eichhorn	do	76
	Alex. E. Wight	do	169
	Jno. V. Laddey	do	120
	Harry M. Ball	do	100
	Thos. L. Rice	do	60
	Geo. A. Johnson	do	3
	Emerson J. Cary	do	52 21
3	Emerson J. Cary New York Central and Hudson River R. R. Co.		
	Michigan Central R. R. Co The Chicago, Burlington and Quincy R. R.	do	18
	The Chicago, Burlington and Quincy R. R.	do	
	Co.		
	The Pullman Co	do	14
	Co. The Pullman Co. Union Pacific R. R. Co. Southern Pacific Co. do. The Pennsylvania R. R. Co. Morgan's Louisiana and Texas Railroad	do	57 38
	Southern Pacific Co	do	38
	do	do	19 27
	The Pennsylvania R. R. Co	do	2
	Morgan's Louisiana and Texas Railroad	do	8
	and Steamship Co.		
	Murray J. Myers	Traveling expenses	60
	Murray J. Myers Warren J. Fretz	do	9:
	Logia I Allan	do	50
	E. T. Davison	do	6
	E. T. Davison Lowell Clarke Geo, S. Hickox	do	45
	Geo. S. Hickox	do	95
			61
	Frank W. Brewer David C. Hanawalt Jno. McBirney	do	51
	David C. Hanawalt	do	40
	Jno. McBirney.	do	90
	Wm. D. Jorden	do	8.
4	Edw. P. Schaffter et al	Salaries	81 649 720
	Boyd Baldwin et al	do	720
	Wm. D. Jorden Edw. P. Schaffter et al Boyd Baldwin et al Albert E. Behnke et al	do	1,349
	Geo. C. Faville et al	do	298
	Fredk, Braginton et al	do	189 128
	F. W. Huntington et al	do	128
	Richd. J. Blanche et al	do	16
	Nathan K. Fegley et al	do	26
	H. A. Hedrick et al	do	484 678
	Albert E. Behnke et al Geo. C. Faville et al Fredk, Braginton et al F. W. Huntington et al Richd. J. Blanche et al Nathan K. Fegley et al H. A. Hedrick et al Julius Huelsen et al W. B. Ellenberger et al C. L. Morin F. W. Hopkins Wm. G. Shaw Willis B. Lincoln Murray J. Myers	do	678
	W.B. Ellenberger et al	do	190
	C. L. Morin	Services	102
	F. W. Hopkins	do	119
	Wm. G. Shaw	do	102 119 119
	Willis B. Lincoln	do	119
	Murray J. Myers R. H. Thomas Jos. M. Turner H. D. Mayne	do	102 102
	D II (Ma ama a a	do	10:
	n. n. 1 nomas		76 10:

Date.	Name.	Nature of payment.	Tot
1903.			
ine 4	Jas. S. Henry Jos. O'Donnell Adams Bros	Services	\$7
	Jos. O'Donnell	Use horse and buggy	
	Adams Bros	Lime	
	E. W. Pope S. L. Hammond Chas. H. Nichols Edw. De Young	Flooring, etc Calf Use horse and buggy Cow Mare	
	Chas. H. Nichols	Use horse and buggy	
	Edw. De Young	Cow	
	Edw. De Young Ten Finger H. M. Bindley J. P. Gardiner War Bonnet Mary Young Calf W. S. Reno Geo. Earnest Rough Feather Good Cheyenne Judson Reno Chas. Nebo	Mare	
	H. M. Bindley	do	
	J. P. Gardiner	do	
	Mary Young Calf	do	
	W.S. Reno	do	
	Geo. Earnest	do	
	Rough Feather	do	
	Good Cheyenne	do	
	Chas. Nebo	do	
	J. C. Jordan	do	
	Amos Red Owl	do	
	Robt. H. Treacy	Traveling expenses	
	Frank H. Burleigh	do	
5	Chas. Nebo J. C. Jordan Amos Red Owl Robt. H. Treacy Frank H. Burleigh Lewis Bullard Wm. Thompson et al Samuel E. Bennett et al Louis Able et al Chas. A. Schanfler et al Saml. E. Bennett Jas. Johnson et al	Salarios	4
9	Samuel E Report et al	do	4,2
	Louis Able et al	do	2,7
	Chas. A. Schaufler et al.	do	9
	Saml. E. Bennett	Use horse and buggy	
6	Jas. Johnson et al	Salaries	1,9
	Geo. W. Pope et al	do	1,9 1,0 8
	Waslay N Nail at al	do	1
	Edw. P Doud et al	do	i
	Jas. S. Kelly et al	do	2
	Joshua Miller et al	do	. 2
	T. A. Shipley et al.		1,0
	Lewis R. Baker et al	do	1 0
	I B Claney et al	ao	2,5
	Fredk, W. Ainsworth et al	do	3,5
	Geo. Ditewig et al	do	2
	F. L. De Wolf et al.	do	. 2
	W.J. Murphy et al	do	. 2
	M. O. Anderson et al.	do	. î
	Marion Dorsett	Traveling expenses	
8	Leslie J. Allen	Services	1
	H. B. Adair	do	1 1 1
	Thos. Castor	do	. 1
	Thos. A. Bray	do	1
	Ernest I Foreman	do	1
	Louis Metsker	do	î
	Geo. E. Totten	do	1
	Louis Able et al Chas. A. Schauffer et al Saml. E. Bennett Jas. Johnson et al Geo. W. Pope et al Harrison ii. George et al Wesley N. Neil et al Edw. P. Doud et al Jas. S. Kelly et al Joshua Miller et al T. A. Shipley et al Lewis R. Baker et al W. H. Rose et al J. B. Clancy et al Fredk. W. Ainsworth et al Geo. Ditewig et al F. L. De Wolf et al W. J. Murphy et al M. O. Anderson et al Jas. M. Good et al Marion Dorsett. Leslie J. Allen H. B. Adair Thos. A. Bray Louis A. Klein Ernest J. Foreman Louis Metsker Geo. E. Totten Geo. W. Browning Arch. H. Wallace Clarence A. Clawson Peter I. Kershner Wm. M. McKellar M. A. Sappington Frank W. Brewer Jno. L. Burgett Dan. McCunningham Geo. C. Moser Western L. Johnson C. A. MeCall Wm. D. Jorden Harry L. McDonald Chas. A. Brown Don C. A. Veret al Jas. Fleming et al L. K. Green et al C. H. Zink et al	do	1
	Arcn. H. Wallace	do	1
	Potor I Korshner	do	1
	Wm. M. McKellar	do	1 1 1
	M. A. Sappington	do	i
	Frank W. Brewer	do	. 1
	Jno. L. Burgett	do	1
	Dan. McCunningham	do	1 1 1
	Western L. Johnson	do	1
	C. A. McCall	do	i
	Wm. D. Jorden	do	1 1
	Harry L. McDonald	do	
	Chas. A. Brown	do	3,8
	Don C. Ayer et al.	Salaries	3,8
	Jas. Fleming et al.	do	1,0
	L. K. Green et al. C. H. Zink et al. Wm. Thompson et al. H. A. Christman et al. F. D. Ketchum et al. Jas. J. Brougham et al. Bernhard P. Wende et al. Jno. Forbes et al. Albert Dean et al.	do	4
	Wm. Thompson et al	do	. 7
	H. A. Christman et al	do	9
	F. D. Ketchum et al	do	1,0
	Jas. J. Erougham et al	do	1,5 1.9 3,2
	Bernhard P. Wende et al	do	1.9

# $\label{lem:expenditures} \textit{Expenditures of Department of Agriculture for year ending June 30, 1903} - \textbf{Cont'd}.$

Date.	Name.	Nature of payment.	Total
1903.			
une 9	A. G. G. Richardson et al	Salaries	$$8,059 \\ 9,245$
	C. E. Dyson et al R. R. Letts E. A. McDonald	Services	9,245 69
	E A McDonald	do	144
	S. R. Burch	Traveling expenses	4.
	E. A. McDonald S. R. Burch Geo. D. Markham Wyckoff, Seamans & Benedict W. H. Lacy Warren M. Whyte. Densmore Typewriter Co Washington Gaslight Co- do	Cattle Paper	100
	Wyckoff, Seamans & Benedict	Paper	79
	W. H. Lacy	Repairing typewriter Gasdo	7 19
	Densmore Typewriter Co	Renairing typewriter	25
	Washington Gaslight Co	Gas	37 47
	do	do	47
	The Chesageske and Potomes Tolumbons Co	Current	46 92
	Wagner Typewriter Co	Typewriter	87
10	Geo. M. Rommel	Traveling expenses	87 146 141
	Potomac Electric Power Co The Chesapeake and Potomac Telephone Co Wagner Typewriter Co Geo. M. Rommeldo F. W. Bicknell I. W. Bickle	do	141
	F. W. Bicknell	do	204
	Jno V Laddey	do	152
	Ralf D. Stoughton	Service	197 152 34
	W. M. H. Seabrook	do	50
	U.G. Houck	do	153 119
	Martha A Brittan	do	119
	W. H. Saylor	do	32
	F. W. Bicknell J. Wm. Fink Jno. V. Laddey Ralf D. Stoughton W. M. H. Seabrook U. G. Houck G. W. Ward Martha A. Brittan W. H. Saylor H. Inez Temple F. M. Parry Chas. Cowie Dean G. Cooper	do	18
	F. M. Parry	do	119
	Chas, Cowie Dean G. Cooper F. L. Russell Jas, Irwin W. H. Wade Jas, W. Davis Harry F. Hume Wm. J. Kennedy Geo. W. Butler Allen A. Holcombe Ellen S. Mayhew Agnes Chase Wm. E. Smith Jno. A. Bell	do	120
	F L Russell	do	119 104
	Jas. Irwin	do	85
	W. H. Wade	do	76
	Jas. W. Davis	do	76
	Wm I Kennedy	do	61 125
	Geo. W. Butler	do	119
	Allen A. Holcombe	do	119 127 18
	Ellen S. Mayhew	do	18
	Agnes Chase	do	16 90
	Jno. A. Bell Jas. Hewes Z. D. Gilman	do	32
	Jas. Hewes	do	32 72
	Z. D. Gilman	Rubber bulbs, etc	62
	Mackall Bros	Logide	25 25 3
	Barber & Ross Edwd. S. Schmid	Sheet brass, etc	9
	do	Feed	14
	Jas. B. Lambie Co.	Steel	163 372
	W. H. Gibbs et al	Salaries	163
	Harry D Payson et al	do	1,094
	Niels C. Sorensen et al	do	2,006
	Arthur B. Morse et al	do	2,006 189
11	Ernest N. Hutchinson et al.	do	487
11	Wm C Siegmund	Traveling expenses	22 79 112
	Andrew Hyde	-do	112
	Jas. S. Henry	do	18
	dodo	do	91 37 19
	do,	do	36
	do	do	38
	W. R. Dennis	do	76 36
	Ray N. Drake	do	36
	Jno. J. Hayes	dodo	35
	Edwd. S. Schmiddo Jas. B. Lambie Co W. H. Gibbs et al Clarence Loveberry et al Harry D. Paxson et al Niels C. Sorensen et al Arthur B. Morse et al Ernest N. Hutchinson et al Thos. Coyle Wm. C. Siegmund Andrew Hyde Jas. S. Henry do do do do do do do A. R. Dennis Ray N. Drake Jno. J. Hayes A. R. Wake Chas. Cowie Lowell Clarke W. P. Ellenberger C. L. Morin	do	3£ 30
	Lowell Clarke	do	28
	W.P.Ellenberger	do	28 24
	W.P. Ellenberger C. L. Morin W. M. McKellar H. M. Rowe	do	22
	W.M. McKellar.	do	21 15
	H. D. Mayne	00	11
	Geo. M. Bettis	do	11
	Geo. M. Bettis Jno. Hoberg	do	
	F.T. Dolan Allen A. Holcombe Boyd Baldwin Walter J. Stewart et al	Expanses	2
	Allen A. HOICOIDO	Expenses	2,257
	Boyd Baldwin		

# 244 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

 $Expenditures \ of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30, 1903---Cont'd.$ 

Date.	Name.	Nature of payment.	Tota
1903.			
me 11	Vergil M. Brown et al	Salaries	\$2,458
12	Hervey T. Potter	Services	16
	Hervey T. Potter Geo. E. Wager H. Q. Tompson W. L. West	Traveling expenses	20
	H. Q. Tompson	00	45 58
	W.L. West E. T. Davison Harry N. Waller Rice P. Steddom U. G. Houck	do	96
	Harry N Waller	do	110
	Rice P. Steddom	do	119 137 148
	U.G. Houck	do	148
	U. G. Houck C. O. Durfee Albert N. Irwin D. E. Salmon Wm. C. Honan Andrew Hyde E. A. McDonald A. J. Pistor Jio. C. Parker Rudolph, West & Co. R. Carter Ballantyne W. B. Moses & Sons J. C. Milnes et al	do	162
	Albert N. Irwin	do	174
	D. E. Salmon	do	18
	Wm. C. Honan	do	18
	Andrew Hyde	do	85
	E. A. McDonald	do	117
	A.J. Pistor	do	88
	Jño. C. Parker	Pens	262
	Rudolph, West & Co.	Nails, etc.	34
	R. Carter Ballantyne	Knife blade	7
	T. C. Milnog et al	Colonica	734
	J. C. Milnes et al	do	734
	Geo S Baker et al	do	495
	Robt. Darling et al	do	427 204
	J. C. Milnes et al Chas. Keane et al Geo. S. Baker et al Robt. Darling et al A. J. Pistor Arthur R. Glaisyer H. J. Hammond Geo. A. Bond Jno. J. Hayes H. M. Rowe	Services	119
	Arthur R. Glaisver	do	119
	H.J. Hammond	do	119
	Geo. A. Bond	do	119
	Jno. J. Hayes	do	119
	Jilo. J. Hayes H. M. Rowe W. S. Cass R. A. Ramsay N. L. Townsend Robt H. Treacy Thos. White Warren Worcester Lowell Clarke	do	119
	W.S.Cass	do	119
	R. A. Ramsay	do	119
	N. L. Townsend	do	119
	Robt. H. Treacy	do	119 119
	Thos. White	do	119
	Warren Worcester	ao	119
	Lowell Clarke	ao	119 119
	Warren Worcester Lowell Clarke Jno. McBirney W. E. Hill Walter E. Howe J. Otis Jacobs	do	119
	Walter E Howe	do	119
	I Otic Tacobe	do	110
	Matthias S Lautz	do	119
	Matthias S. Lautz Isaac W. O'Rourke Nathaniel B. Smith Roy N. Drake	do	119 119 119
	Nathaniel B. Smith	do	110
	Roy N. Drake	do	119
	Frank C. Eens	uo	
	W.R. Fleming	do	119
	Geo. S. Hickox	do	61
	Morris T. Hascall	do	42 76
	Russell G. Merrill	00 	76
	Wm Pflooring	do	76 76
	A T Smith	do	76
	David R. Hodges	do	76
1	W R Dennis	do	76
	W. R. Fleming Geo. S. Hickox Morris T. Hascall Russell G. Merrill F. O. Pettey Wm. Pflaeging A. J. Smith David R. Hodges W. R. Dennis Thos. Redmond David C. Hannawalt S. W. McClure Jos. J. Reiman Benj. J. Glavin	do	76
	David C. Hannawalt	do	100
	S. W. McClure	do	100 102
	Jos. J. Reiman	do	69
	Benj. J. Glavin	do	62
19	D. E. Salmon	Expenses	62 9 92
	do	do	92
	Geo. S. Hickox	do	6
	Sos J. Neiman Benj, J. (Glavin D. E. Salmon do Geo. S. Hickox Ernest N. Hutchinson		16
	W. H. Rose Harry N. Waller Patk, H. Mullowney	Engraling armanag	14 141
13	Potk H Mullowney	do do	70
	Patk H Mullowney do Wm. C. Siegmund Henry E. Brown Walter H. Hersey Fred L. Stevens. Frank L. Shipp Jno. A. Kiernan A. F. Martins Andrew Hyde	do	84
	Wm C Siegmund	do	139
	Henry E Brown	do	77
	Walter H Hersey	do	66
	Fred L. Stevens	do	66 34 20
	Frank L. Shipp	do	20
	Jno. A. Kiernan	do	156
	A.F. Martins	do	156 143
	A. F. Maruns Andrew Hyde Russell G. Lawton Jno, P. O'Leary David S. Kanstoroom Milton T. Perry	do	131
	Russell G. Lawton	do	131 107
		do	102 99
	Jno, P. O'Leary		10%

Date.	Name.	Nature of payment.	Tot
1903.			
une 13	Jno. McBirney H. M. Rowe David R. Hodges Lowell Clarke A. J. Smith W. S. Cass	Traveling expenses	\$7
	H. M. Rowe	do	9
	David R. Hodges	do	43 19 15 15
	Lowell Clarke	00	9
	W C Coop	do	9
	W. S. Cass  do Hervey T. Potter W. B. Niles et al Henry P. Armsby et al Clarence O. Durfee Rice P. Steddom Nathanie B. Smith W. C. Pennywitt Murray J. Myers G. W. Ward Wm. G. Shaw H. H. George W. B. Niles W. H. Wray J. F. Ryder	do	-
	Hervey T Potter	do	
	W. B. Niles et al	Salaries	43
	Henry P. Armsby et al.	do	19
	Clarence O. Durfee	Traveling expenses	15
	Rice P. Steddom	dodo	15
	Nathaniel B. Smith	do	2
	W. C. Pennywitt	do	2
	C W Word	do	2
	Wm C Show	do	8
	H H Coorgo	Evnances	C
	W R Niles	do	1
	W H Wray	Services	38
	J. F. Ryder	do	38 17
	Cora A. Houseman	do	
	Potomac Electric Power Co	Current	4
	J. F. Ryder Cora A. Houseman Potomac Electric Power Co American Ice Co D. Cumming P. Corliss. H. M. Bell Emerson J. Cary W. E. Smith A. McBride W. D. Collyer B. F. Van Valkenburg Matthias S. Lantz Thos. Redmond H. D. Mayne A. J. Pistor M. W. Lang Alex. E. Wright G. A. Johnson Albert N. Irwin	Ice	3 6
15	D. Cumming	Service	6
	P. Corliss	do	
	H. M. Bell	Traveling expenses	10
,	Emerson J. Cary	00 	8
	A MoPaido	00 do	12
	W. D. Collyer	00 do	16
	R F Van Valkenburg	do	2 5 1
	Matthias S Lantz	do	5
	Thos. Redmond	do	ĭ
	H. D. Mayne	do	
	A. J. Pistor	do	$\frac{1}{15}$
	M. W. Lang	do	15
	Alex. E. Wright	do	8
	G. A. Johnson	do	14 15 1
	Albert N. Irwin	do	15
	Ernest D. Everett	do	1
	Arthur R. Glaisyer	do	3
	Wm. R. Fleming	00	1 6
	A T Smith	do	6
	G. A. Johnson Albert N. Irwin Ernest D. Everett Arthur R. Glaisyer Wm. R. Fleming Robt, H. Treacy A. J. Smith Walter E. Howe F. Anerbach & Bro W. S. Goodhue St. Louis National Stock Yards Trustees of the Milk Street Trust do W. H. Wray L. K. Green ——do	do	1
16	F. Auerbach & Bro	Rent	3
10	W. S. Goodhue	do	5
	St. Louis National Stock Yards	do	5
	Trustees of the Milk Street Trust	do	7
	do	do	7
17	W.H. Wray	Traveling expenses	
	L.K. Green	do	
	do	do	2
	L. R. Baker Jacob Leismann	00	
	Jacob Leismann Geo. S. Baker Wm. Pflaeging N. L. Townsend J. F. Ryder Geo. W. Pope Levi Wells Wm. H. Timmons Wesley N. Neil R. A. Ramsay T. Byron Cracroft Jas. Hewes Geo. A. Bond	do	
	Wm Pflacoing	do	
	N. L. Townsend	do	2
	J. F. Ryder	do	3
	Geo. W. Pope	do	9
	Levi Wells	do	9
	Wm. H. Timmons	do	
	Wesley N. Neil	do	
	R. A. Ramsay	do	
	T. Byron Cracroft	do	1
	Jas. Hewes	do	1
	Jas. Hewes Geo. A. Bond E. N. Hutchinson F. M. Perry Chas. M. Day F. L. Russell Roy N. Drake A. D. Melvin Geo. M. Dishong	do	2
	E. N. flutchinson	d0	1
	Chas M Day	do	20
	F. I. Pussall	do	5
	Roy N Draka	do	4.
	A D Melvin	do	0
	A. D. Melvin Geo. M. Dishong S. E. Bennett L. Enos Day Adolph Eichhorn Chicago Car Seal and Manufacturing Co- Whitall, Tatum Co	do	4 7 9 2
	S. E. Bennett	do	4
	L. Enos Day	do	7.
	Adolph Eichhorn	do	7-
	Chicago Car Seal and Manufacturing Co.	Tin tags.	3

ate.	Name.	Nature of payment.	Total.
903.			
une 17	Whitall, Tatum Co	Beaker glasses	822.
	wintali, Tatum Co Eimer & Amend W. H. Wray. L. K. Green Saml. E. Bennett Geo. W. Pope Julius Huelson Ernest N. Hutchinson	Bulbs, etc	\$22. 21.
	W. H. Wray	Expenses	5.
	L. K. Green	do	5. 1.
	Saml. E. Bennett	do	2. 6.
	Geo. W. Pope	:do	6.
	Julius Huelson	do	18.
	Ernest N. Hutchinson	do	33.
18	Haywood A. G. G. Richardson Caroline Burnaby Geo. E. Howard & Co	Traveling expensesdo	101.
	H. Haywood	do	10.
	A. G. G. Richardson	Expenses	8
	Caroline Burnaby	Services	40
	Geo. E. Howard & Co	Vaccine envelope Label boxes	118 112
	do	Label boxes	112
			1,216
10	do W. R. Dennis Henry E. Alvord R. H. Thomas	Trayeling expenses	. 2,784
19	W. R. Dennis	Traveling expenses	83
	Henry E. Alvord	do	49.
	K.H.Thomas	do	6
	Thos. White	do	9
	D II Thereas		11
	In I Princett	d0	19
	K. H. Thomas Thos. White Peter I. Kershner R. H. Thomas Jno. L. Burgett Geo. S. Hickox Granite Rwy. Co E. P. Goss Wm. Wheeler New England Telephone and Telegraph Co.	Evnongog	27
	Granita Pryr Co	Cottle	280
	E.P. Goes	do	758
	Wm Wheeler	do	990
	New England Telephone and Telegraph	Sarrica	220 39
	Co.	Service	99
	Cyrus Leonard	Horse hire	18
	Cyrus Leonard Macdonald's Stable	do	25
	Wm. H. Hutchins	do	22
	C0 M D	3 -	8
	Adams Bros	Lime	6
	Magnire & Kerrick	Horse hire	6 12
	W. W. Clafin	do	19
	Edw. C. Purham	do	12
	Chas. M. Barry Adams Brós Maguire & Kerrick W. W. Clafin Edw. C. Purham A. M. Ross Carrol E. White B. H. Hanson	Calf	12
	Carrol E. White	Horse hire	19
	R. H. Hanson	Teaming	8
	G.C. Preston	Lime	4
	E. E. Cook	Lime Horse hire	19
	K. H. Hanson G. C. Preston E. E. Cook Henry F. Pellett C. M. Boyce Son Chas. Davis Geo. H. Cross	do	15
	C. M. Boyce Son	Teaming, etc	9
	C. M. Boyce Son Chas, Davis Geo, H. Cross Jas, H. Sparks W. J. Haskell Jas, J. O'Brien Chee, McConthy	Use horse and buggy	14
	Geo. H. Cross	do	7
	Jas, H. Sparks	do	8 11 10
	W. J. Haskell	do	11
	Jas. J. O'Brien	do	10
	Chas. McCarthy	do	10
	H. C. Dale	Horses	65 10
	Leo. G. Wood	Horse	10
	Chas. McCarthy H. C. Dale Leo, G. Wood H. B. De Witt	do	30
	Thos. Petty	do	15 35
	Thos. Fetty Edmund Petty. Lizzie O'Rourke. Arthur Osmotherly Chas. Hacker Miles W. Barney & Bro The Friedenwald Co W. Bartels	Horses	35
	Lizzie O Rourke	Horses	40
	Chas The class	Transa bina aka	12
	Unas. Hacker	Horse hire, etc.	19
	Miles W. Barney & Bro	Horses	400 178
	W. Partola	Stamps	110
	W. Bartels	Honkeys	15 30
	F D Kotchum	Monkeys Horse Horse hire	25
	Gulf Refining Co	Oil	32
	Chas Lentz & Sons	Renairing knife	9
	The American Distilling Co	Alcohol	22
20	W. Bartels Mrs. E. F. Arnold F. D. Ketchum Gulf Refining Co Chas. Lentz & Sons The American Distilling Co The Hoggson & Pettis Manufacturing Co. N. W. Chappell Mark C. Rich Chas. Keane The J. A. Van Winkle Co.	Repairing knife Alcohol Copying bath	5
20	N W Channell	Painting	284
	Mark C. Rich	Stallion	284 45
	Chas Keane	Painting Stallion Use horse, etc Pipe Repairing cart Mare	25
	Chas, Keane The J. A. Van Winkle Co. W. M. Lawson A. W. Means H. B. Kesse Www. Keeler	Pipe	49
	W. M. Lawson	Repairing cart	9
	A. W. Means	Mare	25
	H. B. Kesse		5
	Wm. Lochte	Shoeing horse	14
	Mm. Lochte Don C. Ayer Jas. J. Brougham Jas. W. Davis Crook-Harner Co J. W. Garner	Mare Seed Shoeing horse Use of horse Use of horse, etc	15
	Jas. J. Brougham	Use of horse, etc	40
	Jas. W. Davis	do	18
	Crook-Harner Co	Repairing pump Mare	6
		O I	15

te.	Name.	Nature of payment.
3.		
20	Very Good. Iron White Man No Ears	Mare
	Iron White Man	do
	No Ears	do
	W E Pratt	Hog rings. Use horse and buggydo
	Robt. Darling R. G. Merrill Dennison Manufacturing Co	Use horse and buggy
	R. G. Merrill	Tags Horse shoeing
	W. M. Lawson	Horse shoeing
	W. M. Lawson W. S. Cass	Horse shoeing Use horse and buggy
	A. E. Behnke	do
22	E.T. Davison et al	Salaries
	Thos. L. Rice	Traveling expenses
	Morey A. Sappington	do
	Ed. H. Webster	do
	Isaac W.O'Rourke	00
	W. K. Dennis.	do
	Jac W Poulzon	do
	W. S. Cass A. E. Behnke E. T. Davison et al. Thos. L. Rice Morey A. Sappington Ed. H. Webster Isaac W. O' Rourke W. R. Dennis. Warren J. Fritz Jas. W. Parker Dan McCunningham Arch. H. Wallace Clarence A. Clawson W. M. MacKellar Jas. L. Gerrish W. H. Saylor Jno. A. Sloan	do
	Arch H Wallace	do
	Clarence A Clawson	do
	W. M. MacKellar	do
	Jas. L. Gerrish	do
	W. H. Saylor	do
	Jno. A. Sloan	do
	Western L. Johnson	do
	Morris T. Hascale	do
	W. H. Saylor Jno. A. Sloan Western L. Johnson Morris T. Hascale Jas. Rielly H. A. Spear E. A. Morrell Deniel S. Lynes	Livery
	H. A. Spear	do
	E. A. Morrell	Burying cattle
	Daniel S. Jones	Livery
	E. A. Morrel Daniel S. Jones Benj. D. Pierce Thos. Bryant Augustus C. Seagrave. E. L. Frost & Co Chas. H. Paquin H. H. Simons. McVelly Bros	do Teaming Livery
	Thos. Bryant	Teaming
	Augustus C. Seagrave	Livery
	E. L. Frost & Co	do
	Chas. H. Paquin	do do Teaming.etc
	H. H. Simons	Teaming, etc
	Fuent W 1 dome	Transfer
	Fruin A Edgen	nay,etc
	C V Tolles	do
	McNally Bros Frank W. Adams Erwin A. Edson. C. N. Tolles E. A. Morrell Wm. Wheeler Mrs. A. H. Wells	Flooring etc
	Wm. Wheeler	do
	Mrs. A. H. Wells	do
	Geo. A. Farr	dodo
	W. P. Baldwin	do
	Oren E. Walker	Livery
	D. A. B. Ayer	Flooring, etc.
	Solon R. Dodge	Livery
	Geo. A. Farr W. P. Baldwin Oren E. Walker D. A. B. Ayer Solon R. Dodge J. A. Merriam F. I. Ordway	Livery Cattle
	F. I. Ordway	do
	F. I. Ordwaydo J. A. Merriam H. W. Pillsbury A bel H. Gleason C. E. Sawyer Geo. W. D. Emerson Chas, M. Berry The Paterson Wagon Co Biddell & Bogart Painters' Supply Co The Anderson Lumber Codo S. M. Birch Lumber Co O. E. Dyson Jno. C. Lorenzen	do Flooring, etc do Livery
	J. A. Merriam	Tirour
	A hel H Glescop	Colf
	C E Sawyer	Calf Livery Calf
	Geo W. D. Emerson	Calf
	Chas, M. Berry	Livery
	The Paterson Wagon Co	Harness
	Biddell & Bogart Painters' Supply Co	Harness Repairs
	The Anderson Lumber Co.	Cement
	do	do
	S. M. Birch Lumber Co.	Lumber
	O.E. Dyson	Horse hire
	Jno. C. Lorenzen Jno. B. Sine S. W. Burt	Horse and wagon hire
	Jno. B. Sine	do
	S. W. Burt	Horse hire
	Stockyard Hardware and Paint Co.	Supplies
	Geo. E. Bedell	Repairs
	Stockyard Hardware and Paint Co	CO Lumber Horse hire Horse and wagon hire do Horse hire Supplies Repairs Valve
23	C. J. McCabilli Co. Geo. D. Markham Chas. A. Brown Louis A. Klein Geo. E. Totten Leslie J. Allen W. Love	Hogs
.5	Louis A. Eloin	Traveling expenses
	Geo F Totton	do
	Leslie I Allen	do
	M Jones	Traveling experses
	M. Jones J. Wm. Fink Rice P. Steddom	do do
	Rice P. Steddom L. E. Cornell	Sourions

)ate.	Name.	Nature of payment.	Total.
.903.	The Western Union Telegraph Co		
ne 23	The Western Union Telegraph Co	Service	\$6.
	Harvey Farr	Use horse and buggy	4. 21.
	Jas. Murray	do	21.
	S. B. Center	do	15. 10.
	Henry Alley	-do	6.
	B. T. McGlanflin	do	6. 17. 14.
	H. A. Marshall	do	14.
	Fred Corliss	do	12.
	Fred. M. Burnham	do	11.
	David Warren	do	10.
	Jasper J. Smart	do	20.
	W.A. Feltt	Hay, etc.	13.
	Eugene L. Wildes	Use norse and buggy	9. 1.
	Hugh Poilly	Turpontine	8.
	Hugh Reilly National Electrical Supply Co	Hard rubber	4.
	do	Battery zincs	
	Southern Rwy. Co.	Passenger transportation	2. 38.
	S. P. Johnson	Repairing typewriter	25.
	E. Morrison Paper Co	Paper	12. 32.
	S. P. Johnson E. Morrison Paper Co Western Union Telegraph Co	Service	32,
	Z. D. Gilman Thos. Somerville & Sons		90.
	Thos, Somerville & Sons	Plug	7.
	Pudolph West & Co	Pump and solder	7.
	- do Rudolph, West & Co- Jas. B. Lambie	Oil, etc Plug Pump and solder Oiler, etc Hammer and zinc White lead Files, etc Seals	38. 3.
	Gas. B. Lambe Chas. Becker Bausch & Lomb Optical Co. E. J. Brooks & Co. J. R. Stafford Geo. B. Carpenter Co. Geo. S. Hickox	White lead	56.
	Bausch & Lomb Ontical Co	Files etc	49.
	E. J. Brooks & Co	Seals	46.
	J. R. Stafford	Seals Use horse and wagon	5.
	Geo. B. Carpenter Co	Shaft block, etc Trayeling expenses	5. 2.
24	Geo. S. Hickox	Traveling expenses	164.
	Jno. J. Hayes	do	56.
	Arthur R. Glaisyer	do	56. 46. 16.
	Arthur R. Glaisyer Arthur R. Glaisyer Allen A. Holcombe Frank W. Brewer Geo. C. Moser Louis Metzker J. B. Clancy	do	16.
	Coo C Moson	do	77.
	Louis Matzker	do	47. 47. 74.
	J. B. Clanev	Expenses	74
			8.
	E C Schroeder	do	2. 157.
	O. B. Hess et al.	Salaries	157.
	Edison Electric Illuminating Co	Current	2.
	O.B. Hess et al. Edison Electric Illuminating Co. American Tag Co. Chicago Car Seal and Manufacturing Co.	Tags do do	220.
	Chicago Car Seal and Manufacturing Co.	do	193.
	American Tag Co	Toble	11.
	Taylor & Manahan	Table Desk	19. 45
	Chicago Car Seal and Manufacturing Co-American Tag Co-Lammert Furniture Co-Taylor & Manahan Geo. E. Howard & Co-The Chicago, Burlington and Quincy Rwy.	Boxes	45, 112.
	The Chicago, Burlington and Quincy Rwy.	Passenger transportation	6.
	Chicago, Rock Island and Pacific Rwy. Co.	do	17.
	Chicago, Rock Island and Pacific Rwy. Co- Burlington and Missouri River R. R do	do	43.
	Mariana Phania 1 G 11 Pi	do	9.
	Maricopa, Phoenix and Salt River Valley R. R. Co.	do	2.
	R. R. Co.	do	2.
	Union Pacific R. R. Co	do	59.
	The Wabash R R Co	do	15.
	Denver and Rio Grande R. R. Co	do	24
	Country Character Characte	do	105.
	Atlanta, Knoxville and Northern Rwy	do	105. 3. 8.
	Chicago, Indianapolis and Louisville Rwy.	do	8.
	Co.	a.	
	Michigan Central R. R. Co Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.	ao	44.
	Louis Press Co.	do	22.
	Great Northann Pryy Co	do	77
	Baltimore and Ohio R. R. Co.	do	7. 17.
	The Pullman Co.	do	10.
	Pennsylvania R. R. Co	do	45.
	do	do	20.
	do	do	10.
	do	Transportation	10.
	Louis Rwy. Co. Great Northern Rwy. Co Baltimore and Ohio R. R. Co. The Pullman Co. Pennsylvania R. R. Co. do do do The Atchison, Topeka and Santa Fe Rwy.	Passenger transportation	2.
	CO.		11
25	Northern Pacific R. R. Co. Illinois Central R. R. Co. Pennsylvania R. R. Co.	do	11.
		t tailsDOFtailOff	2.3

Date.	Name.	Nature of payment.	Total.
1903.			
June 25	Pennsylvania R. R. Co	Transportation	\$0.35
	New York New Haven and Hartford	do	1.13 2.10
	R. R. Co.		15. 10
	Chicago, Rock Island and Pacific Rwy. Co.	do	14.60
	Cincipacti Hamilton and Douton Pwy Co	do	1.51 4.03
	Lehigh Valley R. R. Co.	do	.70
	R. R. Co. Chicago, Rock Island and Pacific Rwy. Co. Missouri Pacific Rwy. Co. Cincinnati, Hamilton and Dayton Rwy. Co. Lehigh Valley R. R. Co. Burlington and Missouri River R. R. Chicago and Alton Rwy. Co. do. Chicago and Northwestern Rwy. Co. do. St. Louis and San Francisco R. R. Co. Chicago and Alton Rwy. Co. Pennsylvania R. R. Co. do. St. Joseph and Grand Isle Rwy. Co. Baltimore and Ohio R. R. Co. The Chicago, Burlington and Quincy R. R. Co.	do	4.16
	Chicago and Alton Rwy. Co	do	. 75 6. 69
	do	do	6.09
	Chicago and Northwestern Rwy. Co	Passenger transportation	. 99 41. 75
	do	do	9.80
	St Louis and San Francisco R R Co	do	8.35 19.40
	Chicago and Alton Rwy. Co.	do	4.50
	Pennsylvania R. R. Co.	do	68.00 38.70
	St Joseph and Grand Jole Rwy Co	do	38.70 2.97
	Baltimore and Ohio R. R. Co	do	28.00
	The Chicago, Burlington and Quincy R.R.	do	25.34
	Co. The Chesapeake and Potomac Telephone	Service	. 50
	Co.		
	Church & Stephenson	Lumber Expenses	135.00
	I. P. Roosa E. A. de Schweinitz F. W. Bicknell	Expenses	19.00
	E. A. de Schweinitz	Services	20. 29 250. 00 250. 00
	do	do	250.00
	do	Traveling expenses	250.00
	do J. Otis Jacobs Frank H. Burleigh American Writing Machine Co. Barber & Ross Bartlett & Butler Fred F. Lane L. F. Gould E. L. Connor	do do Chairs	104. 25
26	American Writing Machine Co	Chairs	104. 25 17. 33 15. 00
20	Barber & Ross.	Wheel dressers Hay, etc do Services	1.15
	Bartlett & Butler	Hay, etc.	57. 18 56. 88
	Fred F. Lane	Souriess	56.88 50.75
	E. L. Connor Walter J. Haskell. T. S. Burns The Lake Shore and Michigan Southern	Hav.etc.	33.50
	Walter J. Haskell	Hay, etc Use horse and buggy Hay, etc do	19.60
	T. S. Burns	Hay, etc.	89.00
	The Lake Shore and Michigan Southern	Passenger transportation	24.00 22.00
	Rwy. Co.		
	Rwy. Co. Jno. V. Laddey Geo F. Hanton H. A. Hedrick The Paterson Wagon Co G. A. Monington The Anderson Lumber Co I. S. Woodboyso	Trayeling expenses	149.53
	H A Hedrick	Use horse and buggy	56.16 10.00
	The Paterson Wagon Co	Cart.	50,00
	G. A. Monington	Cart Tinning roof	27.00
	The Anderson Lumber Co	Lumber	35.00 23.40
	F.J. Marley	Trap rock	23. 40 45. 00
	Jas. K. Probey	Lumber Plow, etc. Trap rock Wagon	140.00
30	Geo. E. Howard & Co.	Labels	2,400.00
90	The Anderson Lumber Co J. S. Woodhouse F. J. Marley Jas. K. Probey Geo. E. Howard & Co Geo. M. Whitaker Levi Wells M. W. Lang W. D. Collyer B. F. Van Valkenburgh Ed. H. Webster F. W. Bicknell	do	123. 60 148. 30
	M. W. Lang	do	148.30 148.30 148.30 164.80
	W. D. Collyer	do	148.30
	Ed H Webster	do	148.30
	F. W. Bicknell Marion Dorsett et al	do	250.00
	Marion Dorsett et al	Salaries	5, 552. 56
	Total fourth quarter		363, 621, 78
	Supplemental.		
uly 1	Eastern Drug Co	Corros. sub. tablets	80. 25 579. 50 426. 75 1, 145. 65
	do W. M. Galt & Co do Z. D. Gilman L. G. Orndorff Wyckoff, Seamans & Benedict	Carbolic acid	579.50
	do	Meal etc	1 145 65
	Z. D. Gilman	Borax, etc	
	L.G. Orndorff	Harrow	8.00
	Wyckoff, Seamans & Benedict  Jas. Hawkins	Typewriter	8.00 87.75 45.00
	Joseph Allen.  Fred H. Sears  Quiver (Indian)  Alex. Lebuff	do	45.00 17.50
	Joseph Allen	Harrow Typewriter Use of horse do Mare	41.00
			90.00
	Fred H. Sears	do	20.00 17.50 63.00

Date.	· Name.	Nature of payment.	Tota
	· Supplemental—Continued.		
903.	Honor Mann	25	510
ly 1	Henry Moore S. A. Bryant Stephe Arriotte Geopprey Chipps	Mare	\$10 25 100
	Stephe Arriotte	do	100
	Geopprey Chipps Sam Smith E. D. Prescott Jos. Richards	Stallion	70
	Sam Smith.	Mare	20
	E.D.Prescott	Maredo	55
	Jos. Richards	Use of horse	50
	Geo Patton	Use of horse	2
	Edw. White Crow Levi Long Bull	Mare Stallion	12 10
	Levi Long Bull	Stallion	1(
2	F. C. Eells	Services	11
4	Fred Raherson	Stallion Mare	1
	Black Hawk Fred Raberson Ben Mills	dodo	20
	Agnes Manteau	do	18
	Agnes Manteau Edgar Fire Thunder J. J. Peck. Geo. H. Pruden	Mare and stallion	90
	J. J. Peck	Mare	15
	Geo. H. Pruden	do	18
	Geo. R. Brown	do	8
	Wm. Shangran	do	20
	L. Fisher	do	2
	Geo. H. Pruden Geo. R. Brown Wm. Shangran L. Fisher Wm. Calkins Jas. Mousseau Lucy American Horse Thos. Bowman Wm. A. Porsch	do	20
	Jas. Mousseau Lucy American Horse Thos Bowman Wm. A. Porsch Red Horse Chas. Rooks Chas. Rooks Chas. Hurbinger Jennie La Point J. W. Crowe Peter Richard Orlando Clifford Lena Standing Bear Sam Allen Chas. Dubray Wm. Young Ben Claymore E. G. Ward Vincent Sears Jas. Rooks Little Bull Wounded Bear Joseph Fast Horse Whirlwing Horse Jno. Mesteth Asay Pumpkin Seed Mary White Jacob Bingham Pretty Hip Her Plenty Horse Henry Red Shirt Mrs. Dog Susan Kutepi Oliver Good Shield Jas. Kocer Comes Back at Night Moves Camp Baptiste Pourier Little Dog Shield, sr J. J. Borse. Chas. Cuny Isaac Tuttle Jno. Bird Head Edw. Twotwo Bear Comes to Lay Down Sits Poor White Wolf Chicago Car Seal and Manufacturing Co The Peterson Wagon Co E. T. Davison do F. W. Bicknell Chas. A. Schaufler et al Albert E. Behnke et al	do	1: 10
	The Rowman	do	10
	Wm A Dorech	do	2
	Red Horse	do	ĩ
	Chas. Rooks	do	î
	Chas, Hurbinger	Horse washers, etc.	2
	Jennie La Point	Mare	1
	J. W. Crowe	do	1
	Peter Richard	do	1
	Orlando Clifford	do	1
	Lena Standing Bear	do	1
	Sam Allen	do	2
	Unas. Dubray	do	$\frac{1}{5}$
	Pon Claymone	do	3
	F G Word	do	1
	Vincent Sears	do	2
	Jas. Rooks	do	8
	Little Bull	do	1
	Wounded Bear	do	1
	Joseph Fast Horse	do	2
	Whirlwing Horse	do	1
	Jno. Mesteth	do	3
	Asay Pumpkin Seed	do	3
	Jacob Pingham	do	2
	Protty Hip	do	1
	Her Plenty Horse	Mare and stallion	21
	Henry Red Shirt	Mare	1
	Mrs. Dog	do	3
	Susan Kutepi	do	1 2
	Oliver Good Shield	do	2
	Jas. Kocer	do	4
	Comes Back at Night	do	4
	Reptists Popular	do	2
	Little Dog	do	ĩ
	Shield sr	do	2
	J. J. Borse	do	5
	Chas, Cuny	do	3
	Isaac Tuttle	do	2
	Jno. Bird Head	do	2
	Edw. Twotwo	do	2
	Bear Comes to Lay Down	do	1
	Sits Poor	do	10
	White Wolf	do	10
	Chicago Car Seal and Manufacturing Co	Tags	48 18
	The Peterson Wagon Co	Evnoncos	2:
	do	Traveling expenses	93
	GO F. W. Bicknell Chas. A. Schaufler et al. Albert E. Behnke et al. E. P. Schaffter et al. Benhard P. Wende et al. Granville H. Parks	Services	250
6	Chas A Schaufler et al	Salaries	968
U	Albert E Behnke et al	do	1,27
			-91011
	E P Schaffter et al	do	64.

ate.	Name.	Nature of payment.	Tota
	Supplemental—Continued.		
1903. July 7	Consol E Bonnott et el	Colonias	54 19
	Samuel E. Bennett et al	Salaries	\$4, 13- 1, 899 25 69
	Nothen W Fooley et al	do	25
	Jas, Johnson et al. Nathan K. Fegley et al. Boyd Baldwin et al.	do	69
	H. A. Christman et al Louis Abel et al Fredk. Braginton et al Geo. C. Fayille et al.	do	23 2,74 18
	Louis Abel et al	do	2,74
	Fredk. Braginton et al	do	183
	Geo. C. Faville et al	do	288 188 133 13
	Geo. C. Faville et al. Edwd. P. Dowd et al. F. W. Huntington et al. W. J. Erooke Geo. F. Muth & Co. E. A. de Schweinitz. Ephraim P. Goss. Dan McCunningham Ernest J. Foreman En O Petter	do	18
	F. W. Huntington et al.	do	13
	W.J.EPOOKE	Harrow, etc	1
8	E A de Schweinitz	Expenses	17
9	Enhraim P Goss	Hay etc	7
	Dan McCunningham	Traveling expenses	3
	Ernest J. Foreman	dodo	5
	F.O. Pettey Clinton H. Bugbee	do	5 6 11
	Clinton H. Bugbee	do	11
	I. W. O'Rourke	do	11.
	J. W. O'Rourke Jos. J. Rieman Benj. J. Glavin W. M. H. Seabrook	Services	6
	Benj. J. Glavin	00	=
	W. M. H. Seabrook Rice P. Steddom Jas. Irwin Thos. J. Lowery Jno. C. Massie Matthew A. Farley Wm. Proudfoot Clayton E. Moss Wm. H. Wade Harry F. Hume M. S. Lantz H. M. Rowe Lowell Clarke	do	5 14
	Jac Irwin	do	14
	Thos J Lowery	do	8
	Jno. C. Massie	do	-
	Matthew A. Farley	do	Ť
	Wm. Proudfoot	do	
	Clayton E. Moss	do	ĩ
	Wm. H. Wade	do	ĩ
	Harry F. Hume	do	5
	M. S. Lantz	do	11
	H. M. Rowe Lowell Clarke A. J. Pistor N. B. Smith H. J. Hammond Willis B. Lincoln Wm. B. Shaw F. W. Hopkins Murray J. Myers Jos. M. Turner C. L. Morin H. D. Mayne	do	11 12
	LOWell Clarke	do	11
	V R Smith	do	11
	H J Hammond	do	11
	Willis B Lincoln	do	11
	Wm. B. Shaw	do	11
	F. W. Hopkins	do	11
	Murray J. Myers	do	11
	Jos. M. Turner	00	9
	C. L. Morin	do	9
	H. D. Mayne	do	9
	D. Cumming	do	11
	I Otic Isoobs	00	11
	David C Hanawalt	do	11 11
	Thos White	do	11
	Geo. W. Butler	do	11 11
	G. W. Ward	do	11
	F. M. Perry	do	11
	H. D. Mayne D. Cumming Roy N. Drake J. Otis Jacobs David C. Hanawalt Thos. White Geo. W. Butler G. W. Ward F. M. Perry W. J. Kennedy F. L. Russell Geo. S. Hickox	do	11 12
	F. L. Russell	do	1
	Women Wennerton	do	11
	Geo. S. Hickox Warner Worcester Jno. McBirney Morris T. Hascall F. O. Pettey Isaac W. O'Rourke Walter E. Howe W. S. Cass	do	11 13
	Morris T Hascall	do	13
	F O Petter	do	11
	Isaac W O'Rourke	do	11
	Walter E. Howe	do	11
	W. S. Cass	do	
	N. L. Townsend	do	11.
	R. A. Ramsay	do	11. 11.
	Jno. J. Hayes	do	11.
	A. K. Glaisyer	do	11. 11. 11.
	W.K.Fleming	do	11.
	Goo A Rond	do	11.
	Clinton H Bughee	do	11.
	Peter J Kershner	do	11: 12:
	Walter E. Howe W. S. Cass N. L. Townsend R. A. Ramsay Jno. J. Hayes A. R. Glaisyer W. R. Fleming Robt. H. Treacy Geo. A. Bond Clinton H. Bugbee Peter J. Kershner H. B. Adair	do	12
	H. B. Adair Leslie J. Allen Thos. A. Bray S. W. McClure Horace H. Collins	do	129
	Thos. A. Bray	do	123 123 123 93
	S. W. McClure	do	9
	Horace H. Collins	do	98
	David R. Hodges A. J. Smith W. Pflaeging	do	7:
	A.J. Smith	do	7-
		3	75

# $Expenditures \ of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1903-{\bf Cont'd}.$

ate.	Name.	Nature of payment.	Γ
	Russell G. Merrill Thos. Redmond W. R. Dennis Dan McCunningham W. D. Jorden Geo. C. Moser Frank W. Brewer Jno. L. Burgett W. L. Johnson M. A. Sappington C. A. McCall Geo. W. Browning Clarence A. Clawson Louis Metzger Louis A. Klein Wm. M. MacKellar Jno. A. Sloan A. H. Wallace Geo. E. Totten Ernest J. Foreman Chas. A. Brown Harry L. McDonald H. A. Hedrick et al Henry P. Armsby et al W. H. Rose et al Julius Huelsen et al Geo. W. Pope et al W. B. Csoensen et al W. H. Gibbs et al Joshua Miller et al Joshua Miller et al Jno. For bes et al H. H. George et al Lewis R. Baker et al Izetta A. Bell et al Richard J. Blanche et al Levis R. Baker et al Izetta A. Bell et al Richard J. Blanche et al Geo. Driewig et al Jos. M. Good et al W. J. Murphy et al W. J. Murphy et al Wesley N. Neil et al Pensacola Exponent The Ohio State Journal Co Sacramento Publishing Co The Morning Olympiando Tribune Publishing Co The Advertiser Co The Hartford Times Nebraska State Journal Co New Mexico Printing Codo The Sentinel Printing Codo The Sentinel Printing Co Okanoma State Capital		
903. lv 9	Proceeding of Manager		
ly 9	Thos Redmond	Services	
	W. R. Dennis	do	
	Dan McCunningham	do	
	W.D.Jorden	do	
	Geo. C. Moser	do	
	Ino L Burgett	do	
	W.L.Johnson	do	
	M. A. Sappington	do	
	C. A. McCall	do	
	Geo. W. Browning	do	
	Louis Metzger	do	
	Louis A. Klein	do	
	Wm. M. MacKellar	do	
	Jno. A. Sloan	do	
	A. H. Wallace	do	
	Ernest J. Foreman	do	
	Chas. A. Brown	do	
	Harry L. McDonald	do	
	H. A. Hedrick et al	- Salaries	
	W H Rose et al	do	1
	Julius Huelsen et al	do	
	Geo. W. Pope et al.	do	1
	W. B. Ellenberger et al.	do	
	Albert Dean et al	do	-
	W H Gibbs at al	do	1
	Joshua Miller et al	do	
	M. O. Anderson et al.	do	
	Wm. Thompson et al	do	
-	Don C. Ayer et al.	do	- 6
	W R Niles et al	do	6
	H. H. George et al	do	
	Lewis R. Baker et al	do	1
- 1	Izetta A. Bell et al	- do	
	Richard J. Blanche et al	do	
	F. L. De Wolf et al	do	
	Geo. Ditewig et al	do	
, l	Jos. M. Good et al.	do	
	W. J. Murphy et al	do	
	Wesley N. Nell et al.	do	
	The Ohio State Journal Co	do	
1	Sacramento Publishing Co	do	
1	do	do	
	The Morning Olympian	do	
	Tribune Publishing Co	do	
	The Advertiser Co	do	
1	The Hartford Times	do	
	Nebraska State Journal	do	
1	Populican Publishing Co	do	
- 1	do	do	
1	New Mexico Printing Co	do	
	do	do	
	The Republican Pub. Co	do	
	The Patriot Co	do	
	Kennebec Journal	do	
	do	do	
	The Evening Call	do	
	Dunn & Lemmon	do	
	Oklahoma State Capital	do	
	The State Co	do	
	The Times-Dispatch	do	
	do The Evening Call Dunn & Lemmon The Lansing Journal Co Oklahoma State Capital The State Co The Times-Dispatch Oregon Statesman	do	
	do The Evening News Publishing Co Vicksburg Herald do Nashville Banner	do	
	The Evening News Publishing Co	do	

# BUREAU OF ANIMAL INDUSTRY, SALARIES, ETC.—Continued. Name. Nature of payment. Total.

Date.

Ju

	Name.	Nature of payment.	Total
	Nashville Banner Arizona Publishing Co. Arizona Republican. Independent Publishing Co. The Evening Argus. The Register and Leader The Southern Forum The Tribune. do Gammel Statesmen Publishing Co. Times Publishing Co. Wyoming Tribune A. G. G. Richardson et al. F. D. Ketchum et al. J. C. Milnes et al. Ernest N. Hutchinson et al. Robt. Darling et al. A. B. Morse et al. Clarence Loveberry et al. Trojan A. Shipley et al. Chas. Keane et al. J. B. Clancy et al. J. B. Clancy et al. Harry D. Paxson et al. F. W. Ainsworth et al. J. S. Kelly Jas. W. Davis Dean G. Cooper H. R. McNally W. E. Hill U. G. Houck Allen A. Holcombe Agnes Chase Effie M. Hunter Clara E. Holmes Mae Searle Elizb. M. Donegan Tillie Heil The Real Estate and Improvement Co. F. J. Lamb Jno. S. Martin & Co. W. S. Goodhue C. Deaderick S. O. Nichols Edwin Rice Jas. Thompson Chas. H. Hazen H. N. Fosher Geo. W. Kidder A. H. Little		
03.	Supplemental—Continued.		
y 9	Nashville Banner	Advertising	\$1
	Arizona Publishing Co	do	2
	Independent Publishing Co	do	2
	The Evening Argus	do	1
	The Register and Leader	do	1 2 2 2
	The Southern Forum	do	2
	The Tribune	do	2 9
	Gammel Statesmen Publishing Co	do	4
	Times Publishing Co	do	2
10	Wyoming Tribune	do	1.
10	F. D. Kotchum of al	Salaries	6,847 1,000 707 533
	J. C. Milnes et al	do	707
	Ernest N. Hutchinson et al	do	533
	Robt. Darling et al	do	197
1	Clarence Loveberry et al	0D	182 392 331
	Trojan A. Shipley et al	do	331
	Chas. Keane et al	do	443
- 4	Geo. S. Baker et al	do	413
	J. B. Clancy et al	0D	3,626 1,597 1,065
	Harry D. Paxson et al	do	1,065
	F. W. Ainsworth et al	do	310
0	Chas. H. Zink et al	do	464 197 74
9	J. S. Kelly	Sarriage	197
	Dean G. Cooper	do	115
10	H. R. McNally	do	115 98
	W. E. Hill	do	98 148
11	Allen A Holcombo	do	148
11	Agnes Chase	do	24
	Effie M. Hunter	do	123 24 13
	Clara E. Holmes	do	3
	Mae Searie	do	6
	Tillie Heil	do	11 13
	The Real Estate and Improvement Co	Rent	56
	F. J. Lamb	Corn	20
	W S Goodhne	Rent	126. 50.
	C. Deaderick	do	30.
	S. O. Nichols	Hay, etc	39.
	Edwin Rice	do	77. 90. 66.
- 1	Chas H Hazen	do	66
- 1	H. N. Fosher	do	2.
	Geo. W. Kidder	Flooring, etc.	46
- 1	P. D. Drowey	Hay, etc.	15 36.
	W. N. Favor	do	5
- 1	A. C. Barnard	do	76.
	Harris C. Wilson	do	76. 33. 149.
	H. H. Simons. W. H. Whimple	do	149. 53.
	Amos W. Whipple	do	148.
	Levin Johnson	do	28 32
	Louis Brousseau.	do	32
	Albert E. Jones	do	20
	Geo. Pattee	do	30 50
- 1	Geo. E. Waite	do	50. 42.
	W. S. Bailey	do	35.
	J. G. Morse	do	25. 89.
	Jas. Thompson Chas H. Hazen H. N. Fosher Geo. W. Kidder A. H. Little R. P. Drewry W. N. Favor A. C. Barnard Harris C. Wilson H. H. Simons W. H. Whipple Levin Johnson Louis Brousseau Albert E. Jones D. Jameson Geo. Pattee Geo. E. Waite W. S. Bailey J. G. Morse J. H. Stiles H. O. Chase A. B. McLane J. R. Bailey R. L. Childs Wm. Lochte The Washington Post Co Geo. D. Markham The Beveridge Lumber Co Geo. E Geole Geo. Geo. Geo. Geo. Geo. Geo. Geo. Geo	do	179.
	A. B. McLane	do	62.
	J. R. Bailey	do	55.
	W. L. Childs	Chooing houses	93. 15.
	The Washington Post Co	Advertising	15. 2.
	Geo. D. Markham	Hogs'	150.
13	The Beveridge Lumber Co	Lumber	422.
	Geo. E. Bedell	Repairing chairs	3.
		KUDDET DATIOS	61.

 $Expenditures \ of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1903-{\bf Cont'd}.$ 

Date.	Name.	Nature of payment.	Total
	. Supplemental—Continued.		
1903.	I Manager Francisco Co	The same in the same	0.11
ıly 13	J. Manz Engraving Co	Engravings	\$49
	City Telephone Co	Service Use horse and buggy	38
	S M Birch Lumber Co	Lumber	35
	City Telephone Co Samuel E. Bennett S. M. Birch Lumber Co. M. F. Dirnberger East Buffalo Live Stock Exchange Co The Bell Telephone Co. of Buffalo T. F. Rodgers, agent Church & Stephenson Wyckoff, Seamans & Benedict Chas. R. Edmonston Rosslyn Brick Co W. I. Brooks F. C. Eells	Use horse and buggy Rent Towel service	133
	East Buffalo Live Stock Exchange Co	Rent	90
	Fowler Manufacturing Co	Towel service	4
	The Bell Telephone Co. of Buffalo	Service	30
	T. F. Rodgers, agent	Rent	52 218
	Church & Stephenson	Lumber Typewriter ribbons Rubbers, etc	218
	Wyckoff, Seamans & Benedict	Typewriter ribbons	2
	Posslyn Priol Co	Priok	110
	W I Brooks	Plow points	110
	F C Eells	Traveling expenses	4
	Harry C. Jacobs	do	9
	J. C. Burneson	do	4
	Geo. T. Irons	do	3
	Willis B. Lincoln	do	8
	H.D. Mayne	do	14
	G. W. Ward	do	15
	U. L. Morin	do	9
	Chas M. Day	do	2
	Wyckoff, Seamans & Benedict Chas. R. Edmonston Rosslyn Brick Co W. I. Brooks F. C. Eells Harry C. Jacobs J. C. Burneson Geo. T. Irons Willis B. Lincoln H. D. Mayne G. W. Ward C. L. Morin Murray J. Myers Chas. M. Day W. P. Ellenberger Thos. Coyle Lewis F. Bullard R. D. Stoughton Wm. H. Saylor Chas. Gowie Jas. Hewes Wm. E. Smith Bernhard P. Wende H. H. George Jas. S. Kelly N. C. Sorensen Fredk. Braginton	do	3
	Thos Coyle	do	2
	Lewis F. Bullard	do	ĩ
	R.D. Stoughton	Services	60
	Wm. H. Saylor	do	80
	Chas. Cowie	do	11:
	Jas. Hewes	do	75
	Wm. E. Smith	do	90
	Bernhard P. Wende	Expenses	7
	H. H. George	do	18
	N C Sovenson	do	12
	Fredk Braginton	do	14
	N. C. Sorensen Fredk Braginton Jos M. Good Densmore Typewriter Co	do	1
14	Densmore Typewriter Co	Repairing	1. 5(
	J. W. Beasley	Oil	
	O. E. Dyson et al.	Salaries	9,09
	J. W. Beasley O. E. Dyson et al. Jas. Fleming et al. Virgil L. Brown et al. Watter J. Stewart et al.	do	9, 09 1, 00 2, 26
	Virgil L. Brown et al.	do	2,26
15	Walter J. Stewart et al	do	2, 33 3
19	W. M. Galt & Co Ernest Betz Jno. Underwood & Co	Oats Repairing sterilizer	9
	Ino Underwood & Co	Ink	-
	The Freidenwald Co	Stamps	568
	Page Woven Wire Fence Co	Fencing	250
	Louis Abel	Expenses	16
	A.G.G. Richardson	do	(
	do	do	
	Isaiah Richardson	Services	7
	Jay Merrill	do	71
	Mar F Hotoblyics	do	13 13
	do	do	1
	W H Hunt	do	9
	Jno. Underwood & Co The Freidenwald Co Page Woven Wire Fence Co Louis Abel A. G. G. Richardson do Isaiah Richardson Jay Merrill E. H. May May E. Hotchkiss do W. H. Hunt Warren J. Fretz Jno. A. Stauffer B. A. Gallagher	Traveling expenses	4'
	Jno. A. Stauffer	do	
	B. A. Gallagher	do	
.16	The Colorado and Southern Rwy. Co	Passenger transportationdo	17 74
	Co. Southern Rwy Co.	do	25
	Chicago, Milwaukee and St. Paul Rwy Co.	do	2
	Southern Rwy. Co Chicago, Milwaukee and St. Paul Rwy. Co. Nashville, Chattanooga and St. Louis Rwy.	do	į
	Co		
	Chicago, Rock Island and Pacific Rwy. Co.	do	3
	do	do	26
	Chicago, Rock Island and Pacific Rwy. Co. do The Chesapeake and Ohio Rwy. Co. E. T. Davison	do	19
	E.T. Davison	Expenses	1.
	Sallie White G. W. Miller Max Red Ear Horse	Mare	13
	G. W. Miller	do	1
	Max Ked Ear Horse	do	9
15			25 15
.10	Adrian Post W. B. Moses & Sons Thos. Somerville & Sons	Chairs	10
		Basin cock	10

Date.	Name.	Nature of payment.	Total.
	Supplemental—Continued.		
1903. 1y 15	Thos Somerville & Sons	Traps	\$0.5
11y 10	Thos. Somerville & Sons Z. D. Gilman T. F. Gilbert J. W. Flanders D. J. Cooney S. E. Townsend Geo. C. Dearborn G. W. Bicknell J. T. Twisden Harry Merritt Geo. W. Knight McNally Bros E. E. Atwood	Cotton	5. ( 44. (
	T. F. Gilbert	Hay, etc.	44.0
	J. W. Flanders	do	19.
	D.J. Cooney	Use norse and wagon	34. ( 17. 36. (
	Geo. C. Dearborn	Use horse and buggy	36. (
	G. W. Bicknell	do	28.0
	J. T. Twisden	do	18.0
	Harry Merritt.	do	14.
	McNally Bros	do	7. 21. 0
	MENALLY BYOS E. E. Atwood Moses S. Bartlett H. M. Felch Waldo F. Prescott	do	16.0
10	Moses S. Bartlett	do	15.0
16	H. M. Felch	Hay etc.	83.4 18.6
	Waldo F. Prescott E. T. Ford A. E. Behnke	do	10.
17	A. E. Behnke	do do	35.0
	New England Telephone and Telegraph Co-	Service	12.
	J.S. Woodhouse	Mower	33. 12. 120.
	Emma J. Adams et al	Service Rent	120.
	Iowa Telephone Co	Service	4.
	A. E. Behnke New England Telephone and Telegraph Co- J. S. Woodhouse Iowa Telephone Co Emma J. Adams et al Iowa Telephone Co Jno. A. Bell Clinton H. Bugbee F. A. Rich do	Service Services	32.0 119.3
	Clinton H. Bugbee	do Services for December Services for January Services for February Services for March	119.
	do.	Services for January	125. 70.
	dodo	Services for February	60.
	do	Services for March	55.
	Harry A. Pierce		38.1
	do E. Newton Brown Herman M. Guild	do	23. 24.
	Herman M Guild	Hay etc	289.
			8.1
	Geo. A. Law Geo. A. Taylor Jno. J. Woodman	do	9. ( 15.
	Geo. A. Taylor	do	15. 14.
	J. A. Richards	Hav. etc	107
	Geo. A. Taylor Jno. J. Woodman J. A. Richards Jas. W. Gould Chas. W. Aldrich Benj. S. Jenison Myer Abrams	dodo	107.457.4 457.4 217.
	Chas. W. Aldrich	do	217.
	Myor Abroms	Flooring, etc.	184.
	Myer Abrams T. F. Kennedy E. B. Nicholas	Use horse and buggy	27. 15.
	E. B. Nicholas	Use horse and buggy Hay, etc	40.
	C. H. Beasley	do	45.
	B. R. Cobb O. E. Covil	Use horse and buggy	17.0 16.0
	G F Jones	do	8.
	G.F.Jones I.T. Hatch Holland & Ferrin P.J. McAuliff	do	17.0
	Holland & Ferrin	dodo	49.
	P.J. McAuliff	Transfer	9.
	Geo. Boynton F. P. Wells J. A. Gould A. A. Goodell	do	420. 380.
	J. A. Gould	do	136. 373.
	A. A. Goodell	do	
18			25. 35.
10	Jas. Law Jno. B. Sine O. E. Dyson S. W. Burt Jno. C. Lorenzen A. P. Little	Use horse and buggy Use horse	25.
	S. W. Burt	do	25.
	Jno. C. Lorenzen	Use horse and buggy	35.
	A.P. Little Gahan & Byrne	Ink, etc.	4. 675.
	Gahan & Byrne Union Stock Yard and Transit Co. The Cincinnati Union Stock Yards H. J. Harward Belt Peilbred and Stock Yard Co.		375.
	The Cincinnati Union Stock Yards	do	45. 62.
	H. J. Harward	do	62.
	Belt Railroad and Stock Yard Co	do	30.
	The Consumers' Co	Water	50.
	do	Water Lice	2. 18.
	H.J. Harward Belt Railroad and Stock Yard Co St. Louis National Stock Yards The Consumers' Co do E.F. Goodall Chicago Telephone Co Russell G. Merrill W. S. Cass E. G. Battelyoun Kehoe Livery and Trucking Co R.J. O'Brien & Bros Bay State Clean Towel Co Emery, Bird, Thayer Dry Goods Co Silver Laundry and Towel Co	Book	6.
	Chicago Telephone Co	Service	43.
	W S Cass	Use norse and buggy	15. 34.
	E. G. Battelyoun	Use horse and buggydoMare	35.
	Kehoe Livery and Trucking Co	Use horse and buggy	40.
	R. J. O'Brien & Bros	Oats. Towel service Sapolio. Towel service	48.
	Emery Ried Theyer Day Goods Co.	Towel service	3. 2.
		Dapono	Gar.

 $Expenditures \ of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30, 1903-{\bf Cont'd.}$ 

Date.	Name.	Nature of payment.	To
	` Supplemental—Continued.		
1903.		Daint	
uly 18	Cutler & Neilson Paint and Color Co Jas. Stikeman	Paint	1
	J. J. Brougham	Rent Use horse and buggy	1
	J. J. Brougham The Kansas City Stock Yards Co. S. M. Birch Lumber Co.	Rent	
	S. M. Birch Lumber Co	Siding, etc	
	Glynn & Smith Nebraska Telephone Co South St. Joe Coal Co Missouri and Kansas Telephone Co Geo. D. Markham W. B. Niles Fred. J. Goebel Franklin Rubber Co Cutler & Cutler Hooper, Lewis & Co. Potter's Stables (Incorporated) Geo. Minton	Transportation Telephone service.	
	Nebraska Telephone Co	Telephone service	
	South St. Joe Coal Co	Ice Telephone service	
	Coo D Markham	Telephone service	6
	W R Nilos	Hogs Traveling expenses	2
	Fred J Goebel	Traveling expensesExpenses	
	Franklin Rubber Co	Rubber coat	1
	Cutler & Cutler	Suit case	
	Hooper, Lewis & Co.	Books, etc. Use horse and buggy	
	Potter's Stables (Incorporated)	Use horse and buggy	
	Geo. Minton	Rack	
	New England Telephone and Telegraph Co.	Rack Telephone service Towel service	
	Bay State Clean Towel Co.	Towel service	
	Alex C Which t	Use horse and buggy	
	Geo. Minton New England Telephone and Telegraph Co. Bay State Clean Towel Co. Geo. W. Brown Alex S. Wright Smith Bros	Calf	
	D. H. Rice	Calf Use horse and buggy Flooring, etc do Use horse and buggy Pigeon Expenses do	
	D. H. Rice Edwin S. Gowing, guardian	Flooring, etc.	
20	Andrews Bros Harry J. Signall Edw. S. Schmid Robt. Darling Jno. R. Mohler	do	
	Harry J. Signall	Use horse and buggy	
	Edw. S. Schmid	Pigeon	
21	Robt. Darling	Expenses	
	Jno. R. Mohler	do	
	Julius Huelsen W. H. Rose F. W. Huntington W. B. Niles Don C. Ayer W. H. Wray Toole A. Geddes	00	
	F W Huntington	do	
	W B Niles	do	
	Don C. Aver	do	
	W. H. Wrav	do	
	Tooie A. Geddes	Services	2
	do	do	1
	Caroline Burnaby	do	
	W. H. Wray	do	- 6
	J. F. Ryder	do	1
	Jno. K. Monier	Traveling expenses	
	Chas Cowie	do	
	Geo. W. Pope	do	
	Morris T. Hasca!!	do	
	David R. Hodges	do	
	Edward P. Schaffter	do	
	Thomas J. Lowry	do	
	Thomas White	do	
	H. A. Hedrick	do	
	W.H. Wray	00	
	Pourbon Stook Vand Co	Pont	
	F Anerbach & Bro	do	
	E. L. Coleman	do	
	W. H. Wray Tooie A. Geddesdo Caroline Burnaby W. H. Wray J. F. Ryder Jno. R. Mohler Geo. A. Hanvey, jr Chas. Cowie Geo. W. Pope Morris T. Hascall David R. Hodges Edward P. Schaffter Thomas J. Lowry Thomas White H. A. Hedrick W. H. Wray J. F. Ryder Bourbon Stock Yard Co F. Auerbach & Bro E. L. Coleman Emma Curran, administratrix N. Rufus Gill The Kansas City Stock Yards Co. of Missouri. Louise Wells	do	
	N. Rufus Gill	dodo	
	The Kansas City Stock Yards Co. of Mis-	do	
	souri. Louisa Wells		
	Louisa Wells	do	
	The Sioux City Stock Yards Co	To land and the second and the secon	
	New England Telephone and Telegraph Co-	Telephone service	
	Wissouri and Kansas Telephone Co	do	
	Maryland Telephone and Telegraph Co	do	
	New York and New Jersey Telephone Co	do	
	Weehawken Stock Yard Co	do	
	Rocky Mountain Bell Telephone Co.	do	
	J. R. Štafford	Use horse and buggy	
	Mendelhall Transportation Co	Transportation	
	The Kansas City Stock Yards Co. of Missouri. Louisa Wells The Sioux City Stock Yards Co New England Telephone and Telegraph Co. Missouri and Kansas Telephone Co. The Beil Telephone Co. of Philadelphia. Maryland Telephone and Telegraph Co. New York and New Jersey Telephone Co. Weehawken Stock Yard Co. Rocky Mountain Bell Telephone Co. J. R. Stafford Mendelhall Transportation Co. do. W. A. Crosby Don C. Ayer James W. Davis Chas. A. Schauffer John Forbes Missouri Tent and Awning Co. Isaac White Clarence E. Park	do	
	W. A. Crosby	Screens	
	Don C. Ayer	Use horse	
	James W. Davis	Use horse and buggy	1
	Chas. A. Schauffer	do	
	John Forbes	Amnings	
	Image White	Maro	
	I ISSAUC VV UTLES	THAT C	

Date.	Name.	Nature of payment.	Total.
	Supplemental—Continued.		
1903.	XXX Mi.	Mana	215 00
July 21	Wm. Morris A. Livermont A. Newberry Wm. Calkins Isaac Battleyoun F. D. Ketchum W. H. Kistler S. M. Birch Lumber Co. R. P. Andrews & Co. (Incorporated) American Linen Supply Co Robt. Darling E. J. Brooks & Co. Mackall Bros	Mare	\$15.00 20.00
	A Newherry	do	10.00
	Wm. Calkins	do	52.50
	Isaac Battleyoun	do	52. 50 35. 00
	F. D. Ketchum	Use horse and buggy	25.00
	W. H. Kistler	Letter press	11.60
	S. M. Birch Lumber Co	Lumber	44.56
	American Linen Supply Co.	Towelservice	1.10 3.00
•	Robt Darling	Use horse and buggy	25.00
	E. J. Brooks & Co	Seals	109.80
	Mackall Bros	Am. chloride Cotton waste, etc Brickwork, etc	4,00
	Rudolph, West & Co	Cotton waste, etc	116. 93 4, 708. 04
22	The David Henry Building Co	Brickwork, etc	4,708.04
	Mackall Bros Rudolph, West & Co The David Henry Building Co Arthur H. Thomas Co Library Bureau Thos, O. Knowlton P. S. Vankirk Co.	Pipettes	31.24
	Thos O Knowlton	Cards Hay, etc Labor and material	86. 80 126. 05
	P S Vankirk Co	Labor and material	300.00
	Tooje A. Geddes	Expenses	5.56
	Wm. Thompson	do	4.46
	W. P. Ellenberger	do	1.16
	Thos. O. Knowlton P. S. Vankirk Co Tooie A. Geddes. Wm. Thompson W. P. Ellenberger Allen A. Holcombe A. G. G. Richardson F. L. De Wolf Jas. J. Brougham Geo. S. Baker Boyd Baldwin Chas. M. Day Ernest N. Hutchinson Tooie A. Geddesdo Geo. M. Dishong E. M. Nighbert B. Howes Wm. E. Smith Chas. B. Hutchinson Chas. W. Pagle, jr F. L. Russell Ernest N. Hutchinson Burlington Drug Co Robert Hale Hiram Jerome	do	1.50
	A. (†. Klenardson	do	2.76
	Inc. J. Brongham	do	1, 49
	Geo S Baker	do	21.00 1.35
	Boyd Baldwin	do	5.12
	Chas. M. Day	do	2.05
	Ernest N. Hutchinson	do	2.05 37.75
	Toole A. Geddes	Traveling expenses	105.61
	do		19.35
	F M Nighbout	do	19.50
	B Howes	do	6. 25 2. 25
	Wm. E. Smith	do	3, 80
	Chas. B. Hutchinson	do	8, 95
	Chas. W. Pagle, jr	do	4.25
	F. L. Russell	do	7.25
23	Programmen Dong Co	Canhaliaaaid	12.85
40	Robert Halo	Mara	30.67 20.00
	Robert Hale Hiram Jerome	Mare Expenses	10.25
	T A Shipley	do	9. 75
	H. M. Rowe A. & H. E. Cook The New York and New Jersey Tele- phone Co.	do	9.00
24	A. & H. E. Cook	Cheese	2.50
	The New York and New Jersey Tele-	Telephone service	36, 20
	Sunset Telephone and Telegraph Co	do	10.50
	Jno. C. Parker	Oil boards etc	36, 84
	D. Frank Parker	Carbon paper	9.00
	do	Typewriter ribbons	67.50
	Wilber H. Hurst.	Traveling expenses	19. 75
	Ed. H. Webster	do	71.41
	B F Van Valkanhurch	do	71. 41 95. 72 18. 07
	W. C. Barth	do	18.07 5.25
	Levi Wells	do	146. 62
	R. F. Eagle	do	4.00
	F. D. Ketchum	do	8.20
	Harry N. Waller	do	8. 20 147. 76
	H. M. Ball	do	135.90
	Lovi Wolle	Expenses	8. 27 2. 45
	Fredk. W. Ainsworth	do	2. 4a 6. 10
	Nathan K. Feglev	do	7.10
	F. D. Ketchum	do	6, 20
25	H. A. Hedrick	do	6. 20 11. 00
	Saml. E. Bennett	do	5.32
	The New York and New Jersey Telephone Co. Sunset Telephone and Telegraph Co. Jno, C. Parker D. Frank Parker do Wilber H. Hurst. Ed. H. Webster M. W. Lang B. F. Van Valkenburgh W. C. Barth Levi Wells R. F. Eagle F. D. Ketchum Harry N. Waller H. M. Ball J. C. Milnes Levi Wells Fredk. W. Ainsworth Nathan K. Fegley F. D. Ketchum H. A. Hedrick Saml. E. Bennett Chas, A. Schaufler Henry E. Alvord Fred. Weaver Wm. Dunbar Peter Dillon	do	43. 91
	Fred Weaver	Mare	9.51 22.50
	Wm. Dunbar	do	22. ot 25. 00
	Peter Dillon	do	10.00
	Wm. Dunbar Peter Dillon Armstrong Laundry Thos. A. Bray Chas Keane	Towel service	. 67
	Thos. A. Bray	Use horse and saddle	75.00
	Chas. Keane New Telephone Co	do	25.00
		The level and a committee	20.00

Date.	Name.	Nature of payment.	Tota
1903.	Supplemental—Continued.		
1905. uly 25	Geo. A. Bond. Jno. McBirney. Wm. S. Cass. W. D. Collyer. Clarence A. Clawson F. M. Perry. Clinton H. Bugbee. E. L. Volgenau. Henry E. Alvord. do Emerson J. Cary. Russell G. Lawton F. A. Rich J. Wm. Fink	Traveling expenses	91
ury 40	Jno. McBirney	do	\$1: 14
	Wm. S. Cass	do	1.7
	W. D. Collyer	do	2
	Clarence Å. Clawson	do	1: 12
	F. M. Perry	do	1
	Clinton H. Bugbee	do	12
	E. L. Volgenau	do	1
	Henry E. Alvord	do	6
	Emerson I Carry	do	10
	Russell G Lawton	do	10 12
	F. A. Rich	do	31
	J. Wm. Fink	do	31 16
	Alex. E. Wight	do	9
	Albert N. Irwin	do	18
	M. Imes	do	18 13
27	E.T. Davison et al	Salaries	98
	Chas Voors	Expenses	1
	Goo W Pone	do	
	E J Drake	Traveling expanses	1
	H. T. Potter	do	1
	Russell G. Lawton F. A. Rich J. Wm. Fink Alex. E. Wight Albert N. Irwin M. Imes E. T. Davison et al Albert E. Behnke Chas. Keane Geo. W. Pope E. J. Drake H. T. Potter Wm. C. Wootton Wm. C. Honan Saml. E. Bennett Ernest J. Foreman Western L. Johnson Peter I. Kershner A. R. Wake Geo. S. Baker Nathaniel B. Smith Geo. M. Whitaker James Hewes Herman R. Ryder H. J. Hammonddo W. W. Worcester Allen A. Holcombe S. E. Bennett Ernest D. Everett U. G. Houck Geo. E. Wager L. Enos Day	do	
	Wm. C. Honan	do	1
	Saml. E. Bennett	do	
	Ernest J. Foreman	do	3
	Western L. Johnson	do	
	Peter I. Kershner	do	
	A. K. Wake	do	6
	Methanial P Smith	do	1
	Goo M Whiteker	do	1 6
	James Hewes	do	$^{6}_{1}$
	Herman R. Ryder	do	-
	H. J. Hammond	do	11
	do	do	11 10 5
	W. W. Worcester	do	5
	Allen A. Holcombe	do	3
	S. E. Bennett	do	4:
	Ernest D. Everett	do	4 1 15
	Coo F Wagan	ao	10:
- (	C. G. HOUCK Geo. E. Wager L. Enos Day. Fred L. Stevens. Rice P. Steddom Milton T. Penry Geo. T. Hanton Ira K. Atherton Adolub Eighborn	do	19
	Fred L. Stevens	do	68
	Rice P. Steddom	do	99
	Milton T. Perry	do	100
	Geo. T. Hanton	do	5
	Ira K. Atherton	do	11
	Adolph Eichhorn	do	103
20	Jno, A. Kiernan	do	100 160 20
28	Wm Proudfoot	do	20
	Wm D Jorden	do	8:
	Ira K. Atherton Adolph Eichhorn Jno. A. Kiernan Jos. Whytoek Wm. Proudfoot. Wm. D. Jorden do Jos. W. Parker Frank W. Brewer Louis Metsker	do	8
	Jos. W. Parker	do	36
	Frank W. Brewer	do	49 60 60
	Louis Metsker	do	60
	T. O. Pettey	do	66
	Clayton E. Moss	do	38
	Wm. G. Shaw	do	29
	Trank W. Brewer Louis Metsker T. O. Pettey Clayton E. Moss Wm. G. Shaw O. B. Hessdo	do	5
	Jorake L J Drake L J Drake Louis A. Klein Geo. E. Totten Leslie J. Allen Robert H. Tracy W. R. Dennis Wm. M. MacKellar Geo. C. Moser Jno. L. Burgett Ed. H. Webster H. D. Paxson Edw. P. Schaffter O. E. Dyson Geo. W. Butler F. A. Rich do	do	9(
	Louis A Klein	do	1
	Geo. E. Totten	do	20 17 46
	Leslie J. Allen	do	45
	Robert H. Tracy	do	18 108 30
	W. R. Dennis	do	108
	Wm. M. MacKellar	do	30
	Geo. C. Moser	do	90
	Jno. L. Burgett	do	4
	Ea. H. Webster	Expenses	. 1
	H. D. Paxson	do	1
	O. F. Dyson	do	20
	Geo W Butler	do	75
	To A TO' 1	do	
	F. A. Rich		

# $\label{lem:expenditures} \textit{Expenditures of Department of Agriculture for year ending June 30, 1903} - \textbf{Cont'd.}$ BUREAU OF ANIMAL INDUSTRY, SALARIES, ETC.—Continued.

Date.	Name.	Nature of payment.	Total.
1000	Supplemental—Continued.		
1903. uly 28	Geo. C. Faville	Expenses	\$20.
ary we	Geo. C. Faville O. B. Hess J. B. Clancy	do	\$20. 12. 6.
	O. B. Hess do do do do Louis A. Klein M. O. Anderson Shannon & Axtell Jno. Pourier P. S. Van Kirk Co R. W. Burrell Biddell & Bogart Painters' Supply Co R. J. O'Brien & Bros. Co Chas Hubinger do S. M. Birch Lumber Co The Anderson Lumber Co Geo, S. Hickox	do	6.
	do	do	2. 7. 3.
	do	do	3.
	Louis A. Klein	do	75.
	M. O. Anderson	do	10. 10.
	Ino Pourier	Use horse	17.
	P. S. Van Kirk Co	Labor and materials	1,200.
	R. W. Burrell	Services	27.
	Biddell & Bogart Painters' Supply Co	Paint	36.
	Chas Hubinger	Supplies	47. 15.
	do	Halter, etc	59.
	S. M. Birch Lumber Co	Molding, etc	28. 47.
	The Anderson Lumber Co	Lumber	14
	Geo. S. Hickox	Electric lights, etc	14. 9.
	St. Joseph Stock Yards Co	Office rent	135
29	do Geo. S. Hickox St. Joseph Stock Yards Co David C. Hanawalt N. L. Townsend Roy N. Drake Arch H. Wallace C. A. McCall	Traveling expenses	85. 93.
	N. L. Townsend	do	95. 32.
	Arch H. Wallace	do	29.
	Arch H. Wallace C. A. McCall	do	26.
	do	do	56
	Andrew Hyde	do	57 44
	Patk, H. Mullowney	do	74 138
	Thos. L. Rice	do	138
	Harry K. Walter	do	132 125
	Walter H Hersey	do	64
	Harry Q. Thompson	do	72
	David S. Kanstoroom	do	86
	Henry E. Brown	Expenses	20
	E. C. Schroeder	do	2 11
	Potomac Electric Power Co	do	49. 92. 40.
	The Chesapeake and Potomac Telephone Co	Telephone service	92
	Washington Gaslight Co	Doelz	26 26
	J. D. Frazee	Desk Towel service Tagsdo	11
	Dennison Manufacturing Co	Tags	34
	The Friederwold Co	Ctomps	14
	Chicago Car Seal and Manufacturing Co	Seals	39 116
g. 3	A. D. Melvin	do Stamps Seals Traveling expenses Rent Use horse and buggy do	116 74
4	Grand Trunk Rwy. System	Rent	37
	Harry A Pierce	do do	3
	Thos. Bryant	do	42 7 7 7 2
	Lowell Rendering Co	Services	7
	Barber & Ross	Powder, etc	2
	R. Carter Ballantyne	Ledger	2
5	Potomac Electric Power Co The Chesapeake and Potomac Telephone Co Washington Gaslight Co Thompson Bros J. D. Frazee Dennison Manufacturing Co do The Friedenwald Co Chicago Car Seal and Manufacturing Co A. D. Melvin Grand Trunk Rwy. System Curtis & Lyons Harry A. Pierce Thos. Bryant Lowell Rendering Co Barber & Ross Erie R. R. Co R. Carter Ballantyne Jno. J. Hayes	do Services Powder, etc Transportation Ledger Traveling expenses do	113 7 35
	Henry R. McNally	do	7
	Wm. K. Fleming	do	35 29
	J. Otis Jacobs	do	55 55
	A. R. Glaisyer	do	58 61
	A. J. Pistor	do	61
	Isaac W. O'Bourke	do	42 52
	Jno. C. Massie	do	52 43
	Lowell Clarke	do	74
	Geo. S. Hickox	do	32
	R. A. Ramsay	do	94 109
	Thos. Redmond	do	66.
	W. W. Worcester	do	51
	W.I. Young & Co	Butter trier	975 975
	C H W Foster	Cattle	1 975.
6	Erie R. R. Co R. Carter Ballantyne Jno. J. Hayes Henry R. McNally Wm. R. Fleming Matthew A. Farley J. Otis Jacobs A. R. Glaisyer A. J. Pistor Wm. F. Pflaeging Isaac W. O'Rourke Jno. C. Massie Lowell Clarke Geo. S. Hickox H. M. Rowe R. A. Ramsay Thos. Redmond W. W. Worcester W. I. Young & Co Merchants' Refrigerating Co. of New York C. H. W. Foster Bernerd Black White Cow Wm. E. Hargrave	Mare	1,958 105
	White Com	do	10.

# $Expenditures of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30, \ 1903-{\bf Cont'd}.$

Date.	Name.	Nature of payment.	Total
	Supplemental—Continued.		
1903. ug. 6	Supplemental—Continued.  Thos. O'Rourke. Louie Twist. Norgren Enger Benj. Tibbitts. Henry Morrison Albert A. Lamb H. A. Dawson Johnson Bros. Anderson & Rounds Edw. Janis. Wm. Bird Head Charging Bear Wm. Garnett Moses Red Kettle Cuny White Deer L. D. Turner W. S. Hughes Jno. Palmier Ben American Horse Lizzie Bouga Leo. Baum L. K. Green H. A. Christmann Dan McCunningham Chas. A. Brown New York Telenhone Co	Mara	625
ug. o	Louie Twist	maredo	\$00 15
	Norgren Enger	do	\$35 15 12
	Benj. Tibbitts	do	42
	Albert A. Lamb	do	12 17 15
	H. A. Dawson	do	15
	Johnson Bros	do	100
	Anderson & Rounds	do	25 50
	Wm. Bird Head	do	12
	Charging Bear	do	20
	Wm. Garnett	do	45 15
	Cuny White Deer	do	45
	L.D. Turner	do	55
	W.S. Hughes	do	125
	Jno. Davison, jr	do	$\frac{20}{110}$
	Ben American Horse	dodo	15 35
	Lizzie Bouga	do	35
	Leo, Baum	Photograph reproductions	29
	H. A. Christmann	do	6
	Dan McCunningham	do	30
147	Chas. A. Brown	do	16
10	Dan McCunningham Chas, A. Brown New York Telephone Co. Geo, A. Myers & Co. Chicago Car Seal and Manufacturing Co. The Friedenwald Co. American Ice Co. C. M. Gellaghor	Telephone service Roofing paper Tags and seals	368
10	Chicago Car Seal and Manufacturing Co	Tags and seals	122
	The Friedenwald Co	Stamps	1,179
12 14	American Ice Co C. M. Gallagher New York Telephone Co. Chicago Towel Supply Co. John W. Adams Jno. C. Fischer Campbell, Morrell & Co., Incorporated Chas. Hacker Emery, Bird, Thayer Dry Goods Co. McManus Bros	Ice Horse and buggy hire Rent of telephone Towels Publication	122 1,179 37 45
14	New York Telephone Co	Rent of telephone	27
	Chicago Towel Supply Co	Towels	27 47 50
	John W. Adams	Publication	50
	Campbell Morrell & Co. Incorporated	Incubator	65 14
	Chas. Hacker	Cement	19
	Emery, Bird, Thayer Dry Goods Co	Desks, etc	199
	McManus Bros	Livery	14
	New England Telephone and Telegraph Co- E. J. & C. B. Robbins	Telephone toll serviceFlooring, etc	136 14 69
	S. Penniman & Son The Benj. F. Smith Co J. B. Johnson Samuel O. Fowle	Livery Burying cattle do Livery	23
	The Benj. F. Smith Co	Burying cattle	12
	J. B. Johnson	Tivovy	15 6
	A. L. Cook	do	8
	A. L. Cook. Martin M. Welch Jno. F. Murphy Lewis R. Baker	do do _Services	- 6
	Jno. F. Murphy	Services.	9 31
	Albert Dean	Expenses	18
	Thos. Castor	Traveling expenses	28
	E. T. Davison	do	87
	A R Wake	do	15 43 94
	Lewis K. Baker Albert Dean Thos. Castor E. T. Davison John Kneebone A. R. Wake F. W. Bicknell O. P. Hess	do	94
	F. W. Bicknell O. B. Hess S. D. Brimhall A. J. Smith Isaiah Richards Walter E. Home Horace H. Collins Geo. E. Totten Lobn A. Bell	do	6
	S. D. Brimhall	do	75 55
	Isaiah Richards	do	29
	Walter E. Home	do	37 37
	Horace H. Collins	do	37
	John A Bell	do	26 21
	John Forbes	do	18 457
	F. W. Bicknell	do	457
	Wm. C. Siegmund	do	118
	A. F. Martins	do	137
	Geo. E. Totten John A. Bell John Forbes F. W. Bickner Wm. C. Siegmund John V. Laddey A. F. Martins Frank L. Shipp Clarence O. Durfee Frank H. Burleigh Z. D. Gilman do The Geo. W. Knox Express Co The Chesapeake and Potomac Telephone Co	do	169 137 20
	Clarence O. Durfee	do	108
15	Z D Gilman	Supplies	15
10	do	do	59
	The Geo. W. Knox Express Co. The Chesapeake and Potomac Telephone Co. Wm. E. Pratt Arthur H. Thomas Co. Yawman & Erbe Manufacturing Co.	Freight	
17	The Chesapeake and Potomac Telephone Co	Toll	125
16	YV 111. 12. 1 1 8000	Trog rings	77

Date.	Name.	Nature of payment.	Total
	Supplemental—Continued.		
1903.	Supplemental—Continued.  Bacteriological Laboratory Burditt & Williams Co. A. D. Boynton Eastern Drug Co E. & F. King & Co. Revere Rubber Co Berry & Ferguson P. H. Mullowney M. S. Lantz Morey A. Sappington Ernest N. Hutchinson E. T. Davison F. J. Marley Mrs. Jennie Robinson E. & F. King & Co. E. & F. King & Co.	Cultures	82
ug. 17 19	Burditt & Williams Co	Casters	1
10	A. D. Boynton	Milk cans	13
	Eastern Drug Co	Potash, etc	1
	E. & F. King & Co	Lime	5
	Revere Rubber Co	Packings	6 34
	P H Mullowney	Traveling expenses	91
	M.S. Lantz	do	62
	Morey A. Sappington	do	39
	Ernest N. Hutchinson	do	12
	E. T. Davison	Expenses	12 52
	F. J. Marley Mrs. Jennie Robinson	One mare	20
	E. & F. King & Co	Paint and brushes	3
	E. & F. King & Co. White Crow	One mare Paint and brushes One mare	15
	EDIA R R CO	E'reicht	12 9
20 21 25	Barber & Ross L. K. Green Geo. E. Wager	Nails, etc. Expenses Trayeling expenses	12
21 95	L. K. Green	Traveling expenses	3
40	A McBride	do	$125^{\circ}$
	Jay Merrill	do	30
	A. McBride Jay Merrill The David Henry Building Co	do do Building two brick barns Painting stable	11,921
26	Morris Miller John Gruber	Painting stable	35
	Geo. M. Sill	One bay mare	30 30
	Geo, M. Sill John Pourier Biddle & Bogart Painters' Supply Co Emma Eagle Horse Lewis L. Bullard The Beveridge Lumber Co The Birmingham Times L. K. Green Walter G. Hemming T. W. Acomb	One mare Services man, horse, and saddle	42
	Biddle & Bogart Painters' Supply Co	Decorating walls	17
	Emma Eagle Horse	One mare	10
200	Lewis L. Bullard	Traveling expenses Lumber Advertising Traveling expenses Painting	21
27	The Beveridge Lumber Co	Lumber	224
	L. K. Green	Traveling evnences	. 3
pt. 4	Walter G. Hemming	Painting	34
	T. W. Acomb	Services	16
11	The Washington Post Co	Advertising	3
	Chas. C. Fulton & Co	do	3
	The L.L. Mumber Publishing Co.	do	1
	The Hartford Courant Co	do	9
	Topeka State Journal	do	2
	Frank H. Greer	do	1
	The Journal Co	do	2
	The Argus Co	00	1 2 2
	The Globe Printing Co	do	4
	Walter G. Hemming T. W. Acomb. The Washington Post Co Chas. C. Fulton & Co Iowa State Register The J. L. Murphy Publishing Co The Hartford Couvant Co Topeka State Journal Frank H. Greer The Journal Co The Argus Co The Olio State Journal Co The Globe Printing Co Illinois State Journal Co The State Co Wm. M. Abott Gazette Publishing Co	do	1
	The State Co	do	2
	Wm. M. Abott	do	3
	Gazette Publishing Co	do	2
	Geo A Monington	Tinning and painting	2 57
	The State Co Wm. M. Abott Gazette Publishing Co Republican Publishing Co Geo. A. Monington James Jens Saml. K. Weston Sam Kills Brave	Mare	25
	Saml. K. Weston	do	15
	Sam Kills Brave Chicago Car Seal and Manufacturing Co Trustees of the Milk Street Trust.	Seals	15
	Chicago Car Seal and Manufacturing Co	Seals	204
	Hail P. Lockwood	Office rent Use horse and wagon	75
	Hall F, LOCK WOOD	Use norse and wagon	107 75
	Esther A. Perkins and Samuel Sargent Trustees of the Milk Street Trust	Flooring, etcOffice rent	75
14 18	D E Salmon	Expenses	- 8
18	Postal Telegraph Cable Co	Telegraph service	19
	Postal Telegraph Cable Co Western Union Telegraph Co. Chicago, Indianapolis and Louisville Rwy.	Expenses Telegraph service do Passenger transportation	59 8
	Co.	rassenger transportation	8
	do	do	8
	Oregon Short Line R. R. Co	do	30
	Oregon Short Line R. R. Co- Pennsylvania R. R. Co- The Chicago, Burlington and Quincy R. R.	do	10
	The Chicago, Burlington and Quincy R. R.	do	6
	Co.	do :	
	Southern Pacific Co	do	15
17	Denver Furniture and Carnet Co	Desk	15. 15.
	Carl Schleve	Mare	15.
	Oklahoma State Capital	Advertising	1
	Co	do	2.
	T. M. Chiati Cons	do	2. 2.

Expenditures of Department of Agriculture for year ending June 30, 1903—Cont'd.

BUREAU OF ANIMAL INDUSTRY, SALARIES, ETC.—Continued.

Date.	Name.	Nature of payment.	Total
	Supplemental—Continued.		
1903.			
pt. 17 19	The Globe Co. Chicago, Milwaukee and St. Paul Rwy. Co-	Advertising	\$4 8
10	The Colorado and Southern Rwy. Co	do	10
	The Missonia Pacific Rwy Co	do	9
	do	do	16
	do	do	3 200
	do	do	173 19
	do	do	14
	do Baltimore and Ohio R. R. Co	do	20
	do Burlington and Missouri River R. R. in Ne-	do	12
	braska.	do	32
		do	31
	The Wabash R. R. Co Pittsburg, Cincinnati and St. Louis Rwy.	do	26
	Co		
	do	do	8
	do	do	12
	do The Atchison, Topeka and Santa Fo Rwy.	do	12
	Co. The M. Joyce Engraving Co. Missouri Pacific Rwy. Co. do. do do Baltimore and Ohio Southwestern R. R.	do	17
21 22	The M. Joyce Engraving Co	Signature	29
7,7	do	do	25
	do	do	61
	do	do	8
	Baltimore and Ohio Southwestern R. R.	do	
	Co. do	do	Ē
	Co.  do  do  do  do  do  do  do  do  do	do	38
	do	do	]
	do	do	20
	do	do	38
	do	do	8
	Chicago, Milwaukee and St. Paul Rwy, Co	do	ì
	do	do	:
	do	do	- 5
	Chicago, Rock Island and Pacine Rwy. Co.	do	(
	do	do	1
	do	dodo	
	do	do	1
	do	do	18
	Pennsylvania R. R. Co	do	
	do	do	
	H. J. Hammond	Traveling expenses	130
	M. E. Knowles	Services	20
	Clayeland Cincinnati Chicago and St	Transportation	
	Louis Rwy. Co.		
	ao		4
	Boston and Maine R. R.	do	1
	Union Pacific R. R. Co	do	
	do	do	18
	do Chicago, Indianapolis and Louisville Rwy.	do	
	Co.		
	Chicago and North-Western Rwy. Co	do	
	St Louis Southwestern Co of Texas	do	(
	Oregon R. R. and Navigation Co. St. Louis Southwestern Co. of Texas. Chicago and Alton Rwy. Co. Chicago, Rock Island and Texas Rwy. Co. Fremont, Elkhorn and Missouri Valley	do	18
	Chicago, Rock Island and Texas Rwy. Co.	do	
	Fremont, Elkhorn and Missouri Valley	do	2
	R. R. Co. Burlington and Missouri River R. R. in		
	Nebraska.	au	
	Baltimore and Ohio R. R. Co.	do	
	do	do	17
	do	do	17
	do Texas and Pacific Rwy. Co	do	]
	do	do	]
	Star Union Line	do	1
	do. Chicago and Erie R. R. Co. Merchant and Miners' Transportation Co.	do	1
	Objected and Pric D. D. Co.	do	:

# Expenditures of Department of Agriculture for year ending June 30, 1903—Cont'd. BUREAU OF ANIMAL INDUSTRY, SALARIES, ETC.—Continued.

Date.	Name.	Nature of payment.	Total.
Date.  1903. Sept. 22  Oct. 8 10  19 21 22  24	Supplemental—Continued.  Lake Shore and Michigan Southern Rwy. Co. New York Central and Hudson River R. R. Co. Chicago, Burlington and Quincy Rwy. Co. do do Lake Shore and Michigan Southern Rwy. Co. R. L. Cooper. Geo. F. Muth & Co. Blue Line Transfer Co. United States Express Co. Postal Telegraph Cable Co. do M. E. Knowles J. F. Deadman Andrew Peterson The Carson City News. The Capital Journal Co. The Jno. L. Murphy Publishing Co. El Paso Daily Herald Passaic Daily News.	Transportation  do do do do do do Oli, etc Transportation do Telegraph service do Traveling expenses Services Flooring, etc Advertising do do do do do do do	\$1. 63 . 44 2. 03 1. 97 1. 79 1. 30 40. 00 58. 00 2. 30 44. 91 61 23. 35 56. 20 18. 00 37. 92 2. 00 1. 73 2. 00 1. 73 2. 00 37. 92 1. 73 2. 00 1. 30 37. 92 1. 79 1. 79 1. 30 1.
27 29 31	The Indianapolis News Gammel Statesman Publishing Co. M. H. Jewell, proprietor Edison Electric Illuminating Co. Miller Lock Co. E. B. Leland Herbert H. Robbins Patck. Nolan P. S. Van Kirk Co. Indianapolis News Co. Chicago, Rock Island and Pacific Rwy. Co. Cincinnati, Hamilton and Dayton R. R. Co. The Missouri Pacific Rwy. Co. do. Boston and Maine R. R. Co. Chicago and North-Western Rwy. Co. Total.	do do do Electric lighting Locks Flooring, etc do Services Sash fasteners Advertising Passenger transportation do do Transportation Passenger transportation	4.80 1.00 .67 7.00 617.45 13.63 13.00 1,375.04 1.32 5.09

#### RECAPITULATION.

First quarter Second quarter Third quarter Fourth quarter Supplemental	\$190, 560, 99 328, 300, 90 418, 234, 97 363, 624, 98 138, 827, 81
Total	1, 439, 549, 65

#### BUREAU OF ANIMAL INDUSTRY-RENT OF BUILDINGS.

Date.	Name.	Nature of payment.	Total.
Sept. 16 Oct. 7 Nov. 13 Dec. 10	J. Harrison Johnsondodododo	Rent, September, 1902 Rent, October, 1902	\$150.00 150.00 150.00 150.00 150.00
Apr. 16 May 16	do	Rent, December, 1902. Rent, January, 1903 Rent, February, 1903 Rent, March, 1903 Rent, April, 1903 Rent, May, 1903 Rent, June, 1903	150.00 150.00 150.00 150.00 150.00 150.00 150.00 150.00

 $Expenditures of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30, 1903-{\tt Cont'd}.$ 

#### ACCOUNTS SETTLED BY TREASURY.

Date.	Name.	Nature of payment.	Total.
1902. Dec. 9 1903. Jan. 24 Feb. 19 June 25 Sept. 21	Southern Pacific System do do Oregon Short Line Co Southern Pacific Co do Total	Passenger transportationdo	\$37, 35 15, 00 59, 00 31, 50 59, 00 29, 50

#### FORESTRY INVESTIGATIONS.

)2.	C D C 1	~ .	
31	G. B. Sudworth et al	Salaries	\$2
2	Horace B. Ayres	Services	
	W. W. Ashe	do	
	G. Alleman		
	C. F. Alexander	do	
	Jno. Appleton Robt. W. Ayres Eugene S. Bruce Grant R. Bruce	do	
	RODI. W. Ayres	do	
	Case of D. Danie	do	
	Parant K. Bruce		
	Raymond E. Benedict J. E. Barton	do	
	Percy Brown	do do	
	Ino H Pridges	do	
	Honey Pollentine	do	
	Jno. H. Bridges Henry Ballantine Lew C. Church	do	
	F. D. Conden	do	
	Edw. E. Carter		
	Errett W. Diarmid		
	Willard M Drake	do	
	Willard M. Drake Harry S. Everett	do	
	H. B. Eastman	do	
	Harrold D. Foster	do	
	Ralph H. Field		
	Daniel W. Hamm	do	
	Saml. M. Higgins	do	
	Saml. M. Higgins Edw. A. Hyde G. B. Lull	do	
	G. B. Lull	do	
	Frank B. Moody	- do	
	H. G. Merrill	do	
	E. J. S. Moore		
	J. G. Peters		
	Wm. H. Peters.	do	
	Allen S. Peck	do	
	Geo. R. Rubrecht	do	
	Ralph E. Shelden	do	
	Herbert O. Stabler	do	
	Wm. D. Sterrett	do	
	Howard W. Taylor	do	
	E. H. P. Ward Wm. J. Ward Asa S. Williams	do	
	Wm. J. Ward	do	
	Asa S. Williams	do	
	1rwin T. worthlev	do	
	Alfred C. Weed	do	
	Edw. A. Braniff		
	J. H. Burdick	do	
	Fred W. Besley	do	
	J. Fred Baker Horatio J. Brown	do	
	Horatio J. Brown	ao	
	Preston H. Brooks, jr.	do	
	K. L. Burns	do	
	Jacob C. Blumer		
	W. C. Blasdale	do	
	S. M. Coulter	do	
	Matt.Crosby	do	
	Wm. T. Cox	do	
	Frederick Dunlap	do	
	Saml. B. Detwiler	do	
	Wallace W. Everett	do	
	Harry F. Easter	00	
	M. L. Erickson	do	
	Jas. M. Fetherolf	OO	
	Richd. M. Fontaine, jr	do	
	Jas. E. Gow		
	Jno. D. Guthrie	do	

#### FORESTRY INVESTIGATIONS—Continued.

Dat 190 Aug.

	Name.	Nature of payment.	Tota
-			
١	Thos. L. Hoover Clifton D. Howe Wallace I. Hutchinson Wm. R. Lazenby	Services	\$25 25 25
١	Clifton D. Howe	do	25
	Wallace I. Hutchinson	do	28
	Wm. R. Lazenby. Burton E. Livingston Wm. H. Mast. Irwin E. Nagle Frank W. Nevins Fitus G. Phillips Allen B. Patterson Louis H. Panmell Robt. A. Pope Jere Rebmann Paul W. Rea	do	95
	Wm H Mast	do	25
	Irwin E. Nagle	do	25 25 25 25
	Frank W. Nevins	do	27
١	Titus G. Phillips	do	2: 2:
	Allen B. Patterson	do	25
	Louis H. Pammell	do	2
	Robt. A. Pope	do	2 2 2 2 2
ì	Jere Rebmann	00	20
	P. V. P. Roymolds	do	•):
	N Deem Rowe	do	2: 2: 2: 2:
	A. C. Ringland	do	2
	Sidney S. Riggs	do	2
	C. O. Šparks	do	25
	Clinton G. Smith	do	2 2 2 2
	Robt. A. Sanborn	do	25
	E. K. Secrest	do	25
	Jere Rebmånn Paul W. Rea R. V. R. Reynolds N. Deem Rowe A. C. Ringland Sidney S. Riggs C. O. Sparks Clinton G. Smith Robt. A. Sanborn E. R. Secrest Rollin S. Saltus Saml. N. Spring H. D. Scudder H. O. Tunis B. J. Teasdale	d0	25
	H D Scudder	do	23 23
	H O Tunis	do	2
	B. J. Teasdale	do	2
	H. O. Tunis B. J. Teasdale Karl W. Woodward J. P. Wentling Alpheus O. Waha Robt. B. Wilson J. L. Webb Zena L. Bliss. Hugh P. Baker Galen S. Cleland Wm. W. Cheever Albert W. Cooper Jno. H. Halton E. R. Hodson Wm. B. Howard Reynolds Hill	do	25 25 25 25
	J. P. Wentling	do	92
	Alpheus O. Waha	do	25
	Robt. B. Wilson	do	25 22 23 23
	J.L. Webb	do	28
	Zena L. Bliss	do	40
	Galon C Clolend	do	40
	Wm W Cheerer	do	40
	Albert W Cooper	do	40
	Jno. H. Halton	do	40
	E. R. Hodson	do	40
	Wm. B. Howard	do	40
	Reynolds Hill	do	40
	w M. B. Howard Reynolds Hill Frank Karpp David G. Kinney Jno. E. Keach C. A. McCue Fouris P. Willor	do	40
	David G. Kinney	do	40
	C A MaCue	00	4( 4(
	Ferris R Miller	do	40
	Henry W. Newman	do	40
	Chas, A. Scott	do	4(
	Gordon E. Tower	do	40
	C.A. MCUler  Henry W. Newman  Chas. A. Scott.  Gordon E. Tower  Theo. S. Woolsey, jr  Frank G. Miller  Austin F. Hawes	do	40
	Frank G. Miller	do	5(
	Austin F. Hawes	do	5( 5(
	Geo. Griswold Anson E. Cohoon	do	5( 6(
	Goo Farley	do	60
	Geo. Farley Richd. P. Imes Royal S. Kellogg Harold B. Kempton Theo. P. Lukens Louis C. Miller Jno. W. Riggs. Raphael G. Zon Harry D. Tiemann Rollin G. Griffin G. E. Clement Chas. S. Chapman Coert Du Bois C. Temple Emmett	do	60
	Royal S. Kellogg	do	60
	Harold B. Kempton	do	60
	Theo. P. Lukens	do	60
	Louis C. Miller	do	60
	Jno. W. Riggs	do	60
	Raphael G. Zon	do	60
	Harry D. Tiemann	do	73
	G F Cloment	00	72 84
	Chas S Chanman	do	84
	Coert Du Bois	do	84
	C. Temple Emmett	do	84
	Alfred Gaskill	do	8.1
	Henry Grinnell	do	84
	Alfred (Jaskill Henry Grinnell Wm C. Hodge, jr Franklin W. Reed H. N. Whitford Homer A. Rogers Sam C. Ford H. K. Porter Hugh M. Curran	do	84 84 84
	Franklin W. Reed	do	84
	H.N. Williord	do	
	Sam C Ford	do	18
	H K Porter	do	16 21
	Hugh M. Curran Blaine S. Viles Jas. W. Tomney Ralph S. Hosmer	do	31
	Blaine S. Viles	do	32 94
			00

# $Expenditures of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1903--- {\tt Cont'd}.$

ate.	. Name.	Nature of payment.	Tota
902.	`		
g. 2	Albert F. Potter Hofer F. Meekham Chas. H. Herty Thos. H. Sherrard	Services.	\$12
	Hofer F. Meekham	do	12 16
	Chas. H. Herty	do	16
4	Fredk. E. Olmsted	00	13
6	Felix R Holt	do	13
U	Felix R. Holt Edw. A. Ziegler A. D. Hopkins	do	2 2 4
12	A. D. Hopkins	Traveling expenses	4
2.10	F. E. Olmsted Geo. L. Clothier Wesley J. Gardner Frank Thompkins	do	20
14	Geo. L. Clothier	Services	8
20	Wesley J. Gardner	do	5
	Frank Thompkins	do	3
	Frank Thompkins Herbert A. Paul Jno. B. Anderson Theo. C. Zschokke Wm. W. Mott Walter J. Morrill Frank W. Nevins Clifton D. Howe Henry S. Graves. Wm. B. Howard	do	2 2 1 1
	Theo C Zeehokke	do	2
	Wm W Mott	do	1
	Walter J Morrill	do	2
22	Frank W. Nevins	Travelingexpenses	2
	Clifton D. Howe	do	2 3
	Henry S. Graves.	do	9
	Wm. B. Howard	do	2
	Wm. B. Howard David G. King B. J. Teasdale Jno. H. Bridges	do	1
	B. J. Teasdale	do	2
	B. J. Teasdale Jao. H. Bridges Jas. E. Gow Jno. Foley Raphael G. Zon R. B. Wilson Harry D. Tiemann Hamilton G. Merrill R. T. Fisher Henry Grinnell A. O. Waha Reynolds Hill H. M. Curran Frank G. Miller Wm. L. Hall Austin F. Hawes G. Fred. Schwarz R. W. Ayres Hartley B. Holroyd M. L. Erickson E. R. Secrest Wm. W. Mott. Theo. C. Zschokke Homer A. Rogers Carl. G. Crawford Hermann von Schrenk Asa S. Williams Ralph E. Sheldon Henry F. Easter C. F. Alexander Z. L. Bliss C. A. Scott Geo. L. Clothier	do	2
	Ino Folov	do	3
	Ranhael G. Zon	do	3
	R B Wilson	do	4
	Harry D. Tiemann	do	5
	Hamilton G. Merrill	do	3
	R. T. Fisher	do	6
	Henry Grinnell	do	7
	A. O. Waha	do	2
	Reynolds Hill	do	10 6 7. 12 14 4
	H. M. Curran	do	6
	Wm I Hall	do	10
	Austin F. Howes	do	12
	G Fred Schwarz	do	4
	B. W. Avres	do	2
	Hartley B. Holroyd	do	1:
	M. L. Erickson	do	2
	E. R. Secrest	do	19
	Wm. W. Mott	do	1
	Theo. C. Zschokke	do	9
	Coul C Cuamford	do do	3
	Hermann von Schrenk	Expenses	139
	Asa S Williams	Traveling expenses	2
	Ralph E. Sheldon	do	22
	Henry F. Easter	do	18
	C. F. Alexander	do	23
	Z. L. Bliss	do	3-
	C. A. Scott	do	110
	Geo. L. Clothier	do	8
	Z. L. Bliss C. A. Scott Geo. L. Clothier Jno. W. Riggs Albert W. Cooper L. C. Miller O. W. Price Bighd P. Imas	do	25 74
	I. C. Miller	do	9
28	O. W. Price	do	25
	Richd. P. Imes	do	55
	J. H. Burdiet	do	2
	W. D. Sterrett	do	30
	H. O. Tunis	do	30
	R. M. Fontaine, jr	do	18
	E. J. S. Moore	do	38
	Richd. P. Imes J. H. Burdiet W. D. Sterrett H. O. Tunis R. M. Fontaine, jr E. J. S. Moore Hugh P. Baker Coert Du Bois Alfred Gaskill Grant B. Bruce Ralph H. Field Geo. E. Tower Ferris R. Miller G. S. Cleland Percy Brown	do	135
	Alfred Coskill	do	82
	Grant P. Pruce	do	118 22
	Relph H Field	do	24
	Geo E Tower	do	86
	Ferris R. Miller	do	86
	G. S. Cleland	do	29
	Percy Brown	do	31
	Percy Brown F. W. Besley Jno. E. Keach Kenneth L. Burns	do	18
	Jno. E. Keach	do	38
	Kenneth L. Burns	do	51
	Paul W. Rea Jno, D. Guthrie C. A. McCue	do	45 14 28

1992   Section	te.	Name.	Nature of payment.	Tot
g. 28   Allan B. Patterson   Traveling expenses   Hermann H. Chapman   do   do	10			
Hermann H. Chapman		Allan B Patterson	Traveling expenses	\$1
E. R. Secrestdo Herbert O. Stablerdo Ralph E. Sheldondo Robt. A. Sanborndo	. 600	Hormann H Chanman	do do	9
E. R. Secrest do Herbert O. Stabler do Ralph E. Sheldon do Robt. A. Sanborn do		Willie L. Japean	Services	9
E. R. Secrest       do         Herbert O. Stabler       do         Ralph E. Sheldon       do         Robt. A. Sanborn       do	21	Goo P Sudworth of al	Salarios	9 71
E. R. Secrest do Herbert O. Stabler do Ralph E. Sheldon do Robt. A. Sanborn do		Coo P Sudworth	Travalingaryanga	~, *:
E. R. Secrest       do         Herbert O. Stabler       do         Ralph E. Sheldon       do         Robt. A. Sanborn       do	20 64	Houghton & Dolone	Photographic capelies	42 42
E. R. Secrest       do         Herbert O. Stabler       do         Ralph E. Sheldon       do         Robt. A. Sanborn       do	9	Hugh M Cumon	Convices	46
E. R. Secrest       do         Herbert O. Stabler       do         Ralph E. Sheldon       do         Robt. A. Sanborn       do	9	P. I. Tonadala	do	- 6
E. R. Secrest do Herbert O. Stabler do Ralph E. Sheldon do Robt. A. Sanborn do		Howard W. Taylor	do	6
E. R. Secrest do Herbert O. Stabler do Ralph E. Sheldon do Robt. A. Sanborn do		Howard W. Taylor	do	6
E. R. Secrest do Herbert O. Stabler do Ralph E. Sheldon do Robt. A. Sanborn do		Dolin C. Coltano	do	26 26 26 26 26 26 26 26 26 26 26 26 26 2
E. R. Secrest do Herbert O. Stabler do Ralph E. Sheldon do Robt. A. Sanborn do		Coml I Coming	do	6
E. R. Secrest do Herbert O. Stabler do Ralph E. Sheldon do Robt. A. Sanborn do		H D Conddon	do	2
E. R. Secrest do Herbert O. Stabler do Ralph E. Sheldon do Robt. A. Sanborn do		do.	do	- 6
Herbert O. Stabler		E D Coopert	do	6
Ralph E. Sheidton		Harbout O Stables	do	6
Rabit A. Sanborn   Go		Debb E Chalden	a	6
Geo. K. Rubrecht		Raipii E. Sileidon	do	2 2 2 2 2
Jere Rebmann		Co. F. Desharaht	00 	6
Paul W. Rea		Jose Bohmann	do	2 2 2
A. C. Ringland A. C. Ringland Sidney S. Riggs  Mw. H. Peters  Compared to the problem of the pro		Poul W Poo	do	6
Sidney S. Riggs		A C Pingland	do	2
Wm. H. Peters		Sidney C Piece	do	2
Will, H. Peters   Go		Wm U Potors	do	2
Louis H. Pammel		Will, H. Feters	do	2
Allan B. Patterson do J. Given Peters do Allen S. Peck do Allen S. Peck do Errett W. Mevins do Errett W. Mevins do Errett W. MeDiarmid do Errank D. Moody do Wm. H. Mast do Go Hamilton G. Merrill do Go Hamilton G. Merrill do Go G. B. Lull do G. G. B. Lull do G.		Louis H Dammel	do	72
Allen S. Peck		Allen P. Petterson	do	2
Allen S. Peck Allen S. Peck Allen S. Peck Allen S. Peck Brank W. Nevins Allen S. Peck Brank D. Moody Allen Brank D. Mood Brank D. Brank D. Mood Brank D. Bra	•	I Circo Determ	d0	2
Albert   Fear   Color		Allon C Pools	do do	2
Frank D. Moody		Enonly W. Morring	do	9
Erret w Alchamil		Frank W. Nevins.	00 	2
Frank B. Moore   Moo		Errett W. McDiarinid	do	2 2 2
Will. H. Mast E. J. S. Moore		Was II Most	00	2
Hamilton G. Merrill		W.H. H. Mast	00	2
Hamilton G. Merrill		E. J. S. Moore	00	2
C. B. Lide   C.		G. D. I11	00	24
Willis L. depson		G. B. Lull	do	2
Ciliton D. Howe		Willis L. Jepson	do	2
Saml. M. Higgins   Danl. W. Hamm   Danl. M. Danl. Danl		Clifton D. Howe	do	2
Danl, W. Hamm		Saml. M. Higgins	do	2
Royal S. Kellogg		Dani. W. Hamm	do	2
Hartley B. Holroyd		Royal S. Kellogg	do	5
Robt. A. Pope		Hartley B. Holroyd	do	4
Preston S. Brooks,   Preston		Robt. A. Pope	do	1
Asa S. Williams		Tarring T. Woodbland	00	2 2
Asa S. Williams   do		A == C W:W:		2
Will. J. Ward		Asa S. Williams	00	2
Appleus O. Waha Egbert H. P. Ward Robt. B. Wilson C. do Robt. B. Wilson C. do Robt. A. Hyde C. do F. Tracy Hubbard C. do F. Tracy Hubbard C. do Thos. L. Hoover C. do Thos. L. Hoover C. do Thos. L. Hothinson C. do Thos. L. Hutchinson C. do Thos. E. Holt C. do C. do Thos. E. Holt C. do C.		WIII. J. WAPU	do	2
Egbert H. P. Ward   Go   Robt. B. Wilson   Go   Go   Edw. A. Hyde   Go   Go   Thracy Hubbard   Go   Go   Go   Go   Go   Go   Go   G		Alpheus O. Wana	do	2
Robt. B. W1801		Egbert H. P. Ward	do	7,
EdW. A. Hyde		ROOL B. WIISOII	do	2
Thos. L. Hoover		F Tun ov Hubband	do	2
Felix R. Holt		Thos I Hoovey	do	2
Wallace I. Hutchinson   do   Jas. E. Gow   do   Jas. E. Gow   do   Jno. E. Guthrie   do   Go   Jas. M. Fetherolf   do   Go   Go   Go   Go   Go   Go   Go		Folix D. Holt	do	2
Jas. E. Gow do do Jno. E. Guthrie do do Jas. M. Fetherolf do Gallet H. Field do Gallet H. Field do Gallet H. Field do Gallet H. Field do Gallet H. Erickson do Gallet H. Erickso		Wallace I Hutchinger	do	2
Jno. E. Guthrie		Tog F Com	do	2
Jas. M. Fetherolf do  Ralph H. Field do  Ralph H. Field do  Harrold D. Foster do  Wallace W. Everett do  M. L. Erickson do  Henry F. Easter do  Harry D. Everett do  J. Benj. Eastman do  Saml. B. Detwiler do  Wm. M. Drake do  Lew C. Church do  S. M. Coulter do  Kenneth L. Burns do  Edw. A. Braniff do  Jno. H. Bridges do  J. L. Barton do  J. H. Burdick do  J. H. Burdick do  J. H. Burdick do  J. Fred Baker do  J. Fred Baker do  do  Go  Rob L. W. Ballantine do  Go  H. W. Ballantine		Ino F Cuthuio	do	74
Ralph H. Field		Ing M Fotherelf	do	2
Harrold D. Foster		Polph U Field	d0	2
Mallace W. Everett		Harvold D Foster	0D	2
M. L. Erickson		Wallace W Everett	0b.	2
M. L. Erickson Henry F. Easter do Harry D. Everett do J. Benj. Eastman do Saml. B. Detwiler do Wm. M. Drake do Lew C. Church do S. M. Coulter do Kenneth L. Burns do Edw. A. Braniff do Jno. H. Bridges do J. L. Barton J. H. Burdick G. J. H. Burdick G. J. H. Burdick J. Fred. W. Besley do J. Fred Baker do H. W. Ballantine		M. I. Enjoyees	ao	6
Hearry D. Everett		Honey E Footon	do	2 2 2
Harry D. Everett		Henry F. Easter	ao	2
Saml. B. Detwiler   do   do		I Por Frotest	do	2
Mark		Saml P Detwiler	00 do	2
Comparison		Wm M Duelzo	do	2
Courter		Low C Chunch	do	2
Contest   Cont		S M Coulton	d0	2 2 2
Reline of the Content of the Conte		Venneth I Dune	00	2
Discription		Edw A Propie		2
Robt L Black   do		Ino H Dridges	00	2 2 2
AGE		Poht I Plack		2
J. H. Burdick do Fred. W. Besley do J. Fred Baker do H. W. Ballantine do		I I Dowton		2
Fred. W. Besley do J. Fred Baker do H. W. Ballantine do		J. L. Dal'ton	do	2
J. Fred. w. Besley do J. Fred Baker do H. W. Ballantine do		J. H. DUFUICK	(10	2
H. W. Ballantine do		T. Fred. W. Besley	do	2 2
II. W. Dallantine do		H W Pollonting	00	2
W C D1- 1-1		n. w. Banantine	do	2 2

ate.	Name.	Nature of payment.	Tota
902.	•		
pt. 3	Percy Brown C. F. Alexander Theo. S. Woolsey J. L. Webb, jr Blaine S. Viles G. E. Tower Chas. A. Scott C. A. McCue Ferris R. Muller Frank Klarpp Jno. E. Keach David G. Kinney Reynolds Hill	Services	\$25
	C. F. Alexander	do	14 40
4	Theo. S. Woolsey	do	40
	J.L. Webb, jr	do	40
	Blaine S. Viles.	do	40
	Chee A Scott	do	40
	C A McCue	do	40
	Ferris R. Muller	do	40
	Frank Klarpp	do	40
	Jno. E. Keach	do	40
	David G. Kinney	do	4(
	Reynolds Hill	do	40
	E. R. Hodson	do	40
	Jno. H. Hatton	do	40
3	Albert W. Cooper	- do	40
	Galen S. Cleland	do	40
	David G. Kinney. Reynolds Hill E. R. Hodson Jno. H. Hatton Wm. W. Cheever Albert W. Cooper Galen S. Cleland. Hugh P. Baker Chas. H. Herty. Eugene S. Bruce	do	40
	Chas. H. Herty	dodo	168
	Eugene S. Bruce	do	168
	Thos. H. Sherrard	. do	134
	Fredk. E. Olmsted	do	134
	Chas. H. Herty Eugene S. Bruce Thos. H. Sherrard Fredk. E. Olmsted Albert F. Potter Hofer F. Meekham Jas. W. Toumey Ralph S. Hosmer Frank W. Reed Wm. C. Hodge, jr Alfred Gaskill Henry Grumell C. Temple Emmet Coert Du Bois. G. E. Clement Chas. S. Chapman	do	126
	Hoter F. Meekham	do	126 101
	Palph S Hosmon	do	10.
	Frank W Road	do	84
	Wm (! Hodge ir	do	84
	Alfred Gaskill	do	84
	Henry Grumell	do	84
	C. Temple Emmet	do	84
	Coert Du Bois	do	84
	G. E. Clement	_ do	84
	Chas. S. Chapman	do	84
1	Geo. L. Clothier	do	84 78
	Cyont P. Prugo	00	7
	Harry D Tieman	do	7
	G Alleman	do	60
	Geo. Farley	do	60
	G. E. Clement Chas. S. Chapman Geo. L. Clothier Rollin G. Griffin Grant B. Bruce Harry D. Tieman G. Alleman Geo. Farley Harold D. Kempton Richd. P. Imes Raphael G. Zon Theo. P. Lukins Louis C. Miller H. K. Porter	do	60
	Richd. P. Imes	do	60
13	Raphael G. Zon	_ do	60
	Theo. P. Lukins	do	60
	Louis C. Miller	do	60
15	H. K. Porter	do	50
	Auetin F Hawae	do	50
	Geo Griswold	do	50
	Jno. W. Riggs	do	60
5	Wesley G. Gardner	do	50
	Herbert A. Paul	do	28
	Jno. B. Anderson	do	25 25 25
	Walter J. Morrill	do	. 2
	Louis C. Miller H. K. Porter Frank G. Miller Austin F. Hawes Geo. Griswold Jno. W. Riggs Wesley G. Gardner Herbert A. Paul Jno. B. Anderson Walter J. Morrill Theo. C. Zschokke Frank Tompkins Wm. W. Mott H. B. Kempton Wesley J. Gardner E. R. Hodson do do Edw. A. Braniff	do	25
	Wm W Mott	do	40 11
	H R Kempton	Travaling avnances	23
	Wesley I Gardner	do do	8
	E R. Hodson	do	8: 28 46
	do	do	46
	Edw. A. Braniff	do	57
	do	do	2
	C.O.Sparks	do	368
	Thos. H. Sherrard	do	8
	Edw. A. Braniffdo C. O. Sparks Thos. H. Sherrard A. C. Ringland Chas. S. Chapman Anson E. Cohoon J. L. Webb C. Tample Emmett	do	20
	Cnas. S. Cnapman	do	44 80
	Ino H Hatton	do	- 89
	J. I. Webb	do	26
	J. L. Webb C. Temple Emmett R. C. M. Burton F. & J. K. Bishop Art Co Edw. A. Carter F. D. Conden Alfred C. Weed	do	138
	R. C. M. Burton	Renairing awnings, etc.	100
	F. & J. K. Bishop Art Co.	Photo materials	28
8	Edw. A. Carter	Services -	2
	F. D. Conden	do	28 21 23
	Alfred C. Weed	do	25
	H. J. Brown Clinton G. Smith Jacob C. Blumer	do	25
	Clinton C Cmith	do	25 25

oate.	Name.	Nature of payment.	Tota
.902.	Zina N. Bliss Wm. T. Cox Matt Crosby N. Dean Rowe C. O. Sparks Jno. Appleton Wm. B. Howard Elmer O. Wooton R. M. Fontaine, jr Amberg File and Index Co J. P. Nawrath Jno. Underwood & Co. The American News Co Wm. H. Dyer M. Du Perow F. Sharp		
pt. 8	Zina N. Bliss	Services	840
	Wm. T. Cox	do	23 23
	Matt Crosby	do	2
	N. Dean Rowe	OD	23
	U. U. Sparks	do	2
	Wm P Howard	do	40
	Elmer O Wooton	do	12
	B. M. Fontaine, ir	do	(
	Amberg File and Index Co	Cabinets	45
	J. P. Nawrath	Wrapping paper	
	Jno. Underwood & Co	Black record ribbons	4
	The American News Co	Eradicator	
	Wm. H. Dyer	Molding	96
	M. Du Perow	Desk lans	90
	Wyckoff, Seamans & Benedict Capital Traction Co. R. Carter Ballantyne	Desk fans Perforator Record ribbon.etc	2
	Capital Traction Co	Car tickets	16
	R. Carter Ballantyne	Fasteners	10
	Richd, Gasch	Kevs	
	Ed. J. Hannan	Keys Lining tanks	70
	The Voigtlander & Son Optical Co	Lens, etc	399
	E. R. Harbird	Lens, etc Forest News	2-
9	Richd, Gasch Richd, Gasch Ed. J. Hannan The Voigtlander & Son Optical Co. E. R. Harbird Rufus B. Merchant Church & Stephenson Lutz & Co.	Forest News Maps Materials for photo gallery Kodaks Field chest Dinner plates, etc Sulphuric ether Electric supplies Photo supplies Drawing instruments, etc Benairing typewriter	19
10	Church & Stephenson	Materials for photo gallery	120
	Lutz & Co Jas. S. Topham Barber & Ross	Kodaks	2: 20
11	Jas. S. Topnam	Dinner pletes etc	20
11	7 D Cilmon	Sulphysia othor	13
	Neely Electric Co	Electric supplies	2
	Z. D. Gilman Neely Electric Co E. J. Pullman Fred. A. Schmidt	Photo supplies	28 2
	Fred. A. Schmidt	Drawing instruments etc	43
	S. P. Johnson	Repairing typewriter	
	Hugh Meilly	Mirrors, etc.	17
	Louis Hartig	Bar iron	
16	H.S.Graves	Traveling expenses	43
	Jno. D. Guthrie	do	2.
	Theo. C. Zschokke	do	20
	Raphael G. Zan	do	3
	Crent P. Prince	do	42
	Honey G Grinnell	do	18 68
	Hartly B Holyoyd	do	30
	Geo. W. Moss	Passenger transportation	250
17	Clinton G. Smith	Traveling expenses	30
	E. J. Hilling S. P. J. Christon Hugh Fred. A. Schmidt S. P. Johnson Hugh Feilly Louis Hartig H. S. Graves Jno. D. Guthnie Theo. C. Zschokke Raphael G. Zan Richd. P. Imes Grant B. Bruce Henry G. Grinnell Hartly B. Holroyd Geo. W. Moss Clinton G. Smith Albert F. Potter do Alfred Gaskill Ralph E. Sheldon Herman H. Chapman Wm. B. Howard Hermann von Schrenk	do	3( 6)
	do	do	183
	Alfred Gaskill	do	99
	Ralph E. Sheldon	do	28
	Herman H. Chapman	do	29
	Wm. B. Howard	do	2:
	Paymond F Panadiet	Expenses.	199 13
	Flmer O Wooten	do de la compenses	10
	Chas H. Herty	do	13
	C. D. Howe	do	5
	Myn. B. Howard Hermann von Schrenk Raymond E. Benedict Elmer O. Wooton Chas. H. Herty C. D. Howe Z. L. Bliss C. A Scott	do	10- 13: 56 3:
	C. A. Scott	do	10;
	Theo. S. Woolsey, jr	do	100
	Will L. Porterfield	do	10 2.
	Henry F. Easter	do	2.
	F. W. Besley	do	2.
	Sidner C Diego	do	2 38 40
	H () Tunic	do	1
	Wm.D Sterritt	do	2
	Eugene S. Bruce	do	14.
	Wm. W. Mott	do	14- 11
	H. W. Newman	do	3
	A. C. Ringland	do	3: 10 19
	Patrick Kennedy	do	19
	C. D. Howe Z. L. Bliss C. A. Scott Theo, S. Woolsey, jr Will L. Porterfield Henry F. Easter F. W. Besley Jno, E. Keach Sidney S. Riggs H. O. Tunis Wm. D. Sterritt Eugene S. Bruce Wm. W. Mott H. W. Newman A. C. Ringland Patrick Kennedy Carl G. Crawford Raymond E. Benedict Fredk. Dunlap J. B. Jones Patk Kennedy Homer A. Rogers Chas, H. Shinn Edwd, A. Ziegler J. H. Burdick	do	6.
	Raymond E. Benedict	Services	60
	Fredk. Dunlap	do	23
	J. B. Jones	do	30
	Homon A Borons	do	38 28
	Chas H Shipp	do	26
	Edwd A Zioglay	d0	34
	Latin C. 21. ZIUS ICI	uo	16

# Expenditures of Department of Agriculture for year ending June 30, 1903—Cont'd. FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Tota
1902.			
pt. 17	C. A. McCue G. S. Cleland H. J. Brown G. E. Clement H. S. Meekham Anson E. Cohoon Coert Du Bois	Traveling expenses	\$2 2 3
	G. S. Cleland	do	2
	H.J. Brown	do	9
	H S Moekham	do	1
	Anson E Cohoon	do	7
	Coert Du Bois	do	6
	Henry W. Newman	Services.	4
	Jno. H. Bridges	Traveling expenses	2
	Asa S. Williams	do	2
	Oran R. Akers	do	4
	Albert A Copper	do	4
	I I Dovis	Saddle hovee	3
	Woodruff Manufacturing Co	Tables	33
	Wm. F Hubbard	Traveling expenses	6
	Jno. Folev	do	7
	Ewd. A. Braniff	do	i 5
	B.J. Teasdale	do	5
	O. J. J. Luebkert	do	6
	Keinie Bros. Testing Machine Co	Testing machine	2,30
	J. W. Steppins	Wire and picket ience	48
	Kenffel & Esser Co	Compasses	13
	The Okonite Co. (Limited)	Wire	10
	Anson E. Cohoon	Services	6
	B. E. Livingston	do	2
	R. V. R. Reynolds	do	2
	J.P. Wentling	do	2
18	Southern Rwy, Co	Passenger transportation	9
	do	do	7
	do	do	1
	The Coloredo and Southern Rwy Co	do	
	Central of Georgia Rwy Co	do	
	H. S. Meekham Anson E. Cohoon Coert Du Bois Henry W. Newman Jno. H. Bridges Asa S. Williams Oran R. Akers G. Fred. Schwarz Albert A. Cooper J. J. Davis Woodruff Manufacturing Co Wm. F. Hubbard Jno. Foley Ewd. A. Braniff B. J. Teasdale O. J. J. Luebkert Reihle Bros. Testing Machine Co J. W. Stebbins Amberg File and Index Co Keuffel & Esser Co The Okonite Co. (Limited) Anson E. Cohoon B. E. Livingston R. V. R. Reynolds J. P. Wentling Southern Rwy. Co do do do The Colorado and Southern Rwy. Co Central of Georgia Rwy. Co Nashville, Chattanooga and St. Louis Rwy. Co. Georgia Southern and Florida Rwy. Co.	do	
	Co. Georgia Southern and Florida Rwy. Co. Grand Rapids and Indiana Rwy. Co. Canadian Pacific Rwy. Co. Norfolk and Western Rwy. Co. Abercrombie & Fitch S. D. Craig, jr. Ling Georgian	do	
	Grand Rapids and Indiana Rwy. Co	do	
	Canadian Pacific Rwy. Co	do	
	Norfolk and Western Rwy. Co	do	
	Abercrombie & Fitch	Wall tent	1
	Ş. D. Craig, Jr	Binders	c
	Jno. Gagnan	Plumbing apparatus	3
	S. D. Craig, jr. Jno. Gaghan Densmore Typewriter Co Capital Traction Co. Herman Baumgarten Littlefield, Alvord & Co. Merchants' Transfer and Storage Co. Rudolph, West & Co.	Card platen	1
	Herman Baumgarten	Stencils	,
	Littlefield Alvord & Co	Moving furniture	1
	Merchants' Transfer and Storage Co	Transfer of packages	_
	Rudolph, West & Co	Screw hooks, etc	2
	Pennsylvania R. R. Co	Passenger transportation	5
	do	do	13
	Michigan Central R. R. Co	do	13 1 3
	Now York Now Haven and Hertford D	uo	3
	R Co.	do	3
	The Pullman Co	do	1
	do	dodo	2
	Texas and New Orleans R. R. Co	do	3 2
	The Chesapeake and Ohio Rwy. Co	do	2
	Boston and Maine R. R. Co	do	7
	The Wabash R. R. Co.	do	1
	Seaboard Air Line Rwy. Co	do	1
00	Great Northern Rwy. Co	Transling owners	2
20	C F Alexander	do	ĩ
	Ferris R. Miller	do	9
	Percy Brown	do	$\tilde{2}$
	H. W. Newman	do	3
	R. T. Fisher	do	2 3 4
	Albert W. Cooper	do	7
	Rudolph, West & Co Pennsylvania R. R. Co do Michigan Central R. R. Co Burlington and Missouri River R. R New York, New Haven and Hartford R. R. Co The Pullman Co do Texas and New Orleans R. R. Co The Chesapeake and Ohio Rwy. Co Boston and Maine R. R. Co The Wabash R. R. Co Seaboard Air Line Rwy. Co Great Northern Rwy. Co Great Northern Rwy. Co W. L. Porterfield C. F. Alexander Ferris R. Miller Percy Brown H. W. Newman R. T. Fisher Albert W. Cooper K. L. Burns Geo. L. Clothier G. E. Tower C. O. Sparks Hugh P. Baker L. C. Miller Frank G. Miller Karl W. Woodward Will L. Porterfield	do	103
	Geo. L. Clothier	do	10
	G.E. Tower	do	11
	C.O. Sparks	do	31
	Hugh P. Baker	do	15 13
	Lt, C, Miller Eventz G, Miller	do	13
	Karl W. Woodward	Services	8 2
			$\tilde{4}$

# Expenditures of Department of Agriculture for year ending June 30, 1903—Cont'd. FORESTRY INVESTIGATIONS—Continued.

ate.		Name.	Nature of payment.	Total
902.				
902. pt. 20		Oran R. Akers	Services	\$43
,,,,,,		Oran R. Akers Jewett & Son Alfred Gaskill F. E. Olmsted Hamilton G. Merrill Jas. B. Jones R. E. Benedict J. L. Webb F. W. Nevins	Maps.	5 92
22	2	Alfred Gaskill	Traveling expenses	
		F. E. Olmsted	do	_8
		Hamilton G. Merrill	do	35 22
		Jas. B. Jones	do	22
		R. E. Benedict	do	83
20		J. L. Webb	do	38
28	3	F. W. Nevins	do	12 38
		do	do	58
		E.J.S. Moore Harry D. Tiemann Robt. W. Ayres J. Earl Barton	00	30
		Bolet W. Ayrnes	do	61 16
		L Foul Pouton	do	6
		Ino M Hatton	do	70
		Irwin F Neglo	Sarricas	25
25		Francis Miller	Paint	120
Ne	,	Chas Rocker	Lead in oil	
	- 7	The Maurice Joyce Engraving Co	Autograph cut	
		Hugh Reilly	Plate glass etc	7
		J. Earl Barton Jno. M. Hatton Irwin E. Nagle Francis Miller Chas. Becker The Maurice Joyce Engraving Co Hugh Reilly The Anthony & Scoville Co C. R. Sudworth et al	Lantern slides, binders	•
30	)	G. B. Sudworth et al	Salaries	3,005
		Total first quarter		36, 471
. 1	11	J. Fred. Baker	Services	24
	. 1	Oran R. Akers Fred W. Besley W. C. Blasdale Jacob C. Blumer J. H. Burdick	do	24
		Fred W. Besley	do	24
	- 1	W. C. Blasdale	do	24
		Jacob C. Blumer	do	24 24
		J. H. Burdick	do	2-
		w.m. T. Cox		24
		Matt. Crosby	do	24
		Lew. C. Church S. M. Coulter Saml. B. Detwiler	do	24
		S. M. Coulter	00	24 24
		M. C. Fwielreen	do	24
		W. W. Errovott	do	24
	- 16	Sami. B. Detwier M. S. Erickson W. W. Everett Jas. M. Fetherolf Jno. D. Guthrie F. Tracy Hubbard Clifton D. Howe	do	24
		Ino D Guthria	do	2
		F Tracy Hubbard	do	24
		Clifton D. Howe	do	24
		H. B. Holroyd	do	24
		Willis L. Jepson	do	2-
		Royal S. Kellogg	do	24
	1	H. B. Holroyd Willis L. Jepson Royal S. Kellogg Burton E. Livingston	do	24
		Wm. H. Mast	do	24
		I. E. Nagle	do	24
		Titus G. Phillips	do	24
		Herbert A. Paul	do	24
		Burton E. Livingston Wm. H. Mast I. E. Nagle Titus G. Phillips Herbert A. Paul Wm. H. Peters Will L. Porterfield Louis H. Pammel N. Deen Powe	do	24
		Will L. Porterfield	do	24
		Louis H. Pammel	do	24
		N. Dean Rowe	do	24
		A. U. Kingland	do	24
		D. D. Riggs	00	24
		A. C. Ringland S. S. Riggs R. V. R. Reynolds R. S. Saltus	do	24
		E R Secret	do	24 24
		E. R. Secrest Clinton G. Smith	do	24
		Robt A Sanborn	do	2
		Robt. A. Sanborn Howard W. Taylor H. O. Tums. E. H. P. Ward	do	24
		H.O. Tums.	do	24
		E. H. P. Ward	do	24
2	5	t. Alleman	do	60
	100	Robt. W. Ayres Jno. B. Anderson	do	17
		Jno. B. Anderson	do	17 12
		Edw. T. Allen	do	79
		Hugh P. Baker	do	38
		Grant B. Bruce	do	78 39
	- }	Grant B. Bruce Z. L. Bliss Eugene S. Bruce H J. Rown	do	38
		Eugene S. Bruce	do	16:
		H. J. Brown B. E. Babcock Jno. H. Bridges	do	22 22
		B. E. Babcock	do	22
		Jno. H. Bridges	do	14
		Percy Brown	do	14 12 10
		Jno. H. Bridges Percy Brown J. Earl Barton H. W. Ballantine Geo. L. Clothier G. E. Clement	do	10
		Coo F Clothian	do	4
		Tren I. CHATRIAN	do	81

# $Expenditures of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30, 1903-{\bf Cont'd}.$

Date.	Name.	Nature of payment.	Tota
.902.	Anson E. Cohoon Wm. W. Cheever Galen S. Cleland Edw. C. Carter F. D. Conden Albert W. Cooper Hugh M. Curran Coert Du Bois Fred. Dunlap C. T. Emmet Harry L. Everett Henry F. Easter H. Benj. Eastman Geo. Farley H. D. Foster Rollin G. Giffin Geo. Griswold Henry Grinnell Alfred Gaskill Austin F. Hawes Wm. C. Hodge, jr Edwin M. Hamilton Willson P. Harris E. R. Hodson Reynolds Hill Wm. B. Howard Chas. H. Herty Wallace I. Hutchinson Saml. L. Higgins Felix R. Holt Jno. H. Hatton Raph S. Hosmer Richd. P. Imes J. B. Jones J. M. Keeler, jr David G. Kinney Jno. E. Klack Frank Klarpp Patck. Kennedy H. B. Kempton Theo. P. Lukins Geo. B. Lull Frank G. Miller H. S. Meckham E. W. Diarmid Walter J. Morrill H. G. Merrill F. B. Moody Louis C. Miller Henry W. Newman Frank W. Nevins J. G. Peters Albert F. Potter Allan B. Patterson Allen S. Peck Jno. W. Riggs Paul M. Rea Geo. K. Rubrecht Jere. Rebmann Frank W. Reede C. O. Sparks Chas. A. Scott Raph E. Sheldon		
t. 2	Anson E. Cohoon	Services	\$5
	Wm. W. Cheever	do	ě
	Galen S. Cleland	do	8
	Edw. C. Carter	do	1 1
	Albort W. Gorner	do	1
	Hugh M Curren	do	5
	Coert Du Rois	do	5
	Fred. Dunlap	do	ĩ
	C. T. Emmet	do	8
	Harry L. Everett	do	2
	Henry F. Easter	do	
	H. Benj. Eastman	do	
	Geo. Farley	do	E
	H. D. Foster	do	7
	Goo Griewold	do	4
	Henry Grinnell	do	8
	Alfred Gaskill	do	8
	Austin F. Hawes	do	4
	Wm. C. Hodge, jr	do	8
	Edwin M. Hamilton	do	8
	Willson P. Harris	do	4
	E. K. Hodson	do	4
	Wm P Howard	do	
	Chas H Horty	do	16
	Wallace I Hutchinson	do	16
	Saml L. Higgins	do	-
	Felix R. Holt	do	6
	Jno. H. Hatton	do	3
	Ralph S. Hosmer	do	ç
	Richd. P. Imes	do	Ę
	J. B. Jones	do	5
	J. M. Keeler, Jr	do	6
	David G. Kinney	do	6
	Frank Klarna	do	6
	Patek Kennedy	do	10
	H. B. Kempton	do	Ē
	Theo. P. Lukins	do	Ē
	Geo. B. Lull	do	]
	Frank G. Miller	do	4
	C. A. McCue	do	5
	H C Mooltham	do	16
	E W Diarmid	do	1
	Walter J. Morrill	do	
	H. G. Merrill	do	12 12 1
	F. B. Moody	do	
	Louis C. Miller	do	5
	Henry W. Newman	do	
	Frank W. Nevins	do	-
	J. G. Peters	do	5 8 12
	Allen R Pettoreon	do	12
	Allen S Peck	do	12 1 1 5 1 1 1
	Jno. W. Riggs	do	5
	Paul M. Rea	do	ĭ
	Geo. K. Rubrecht	do	1
	Jere. Rebmann	do	1
	Frankl. W. Reed	do	8
	C.O.Sparks	do	9
	Cnas. A. Scott	do	- 8
	Raiph E. Sheidon	00	- 2
	H D Scudder	do	. 1
	Saml, N. Spring	do	
	Ernest A. Sterling	do	4
	Geo. A. Kubrecht Jere. Rebmann Frankl. W. Reed. C. O. Sparks. Chas, A. Scott Ralph E. Sheldon H. O. Stabler H. D. Scudder H. D. Scudder Saml. N. Spring Ernest A. Sterling Wm. D. Sterrett Harry D. Tiemann Frank Tompkins G. E. Tower Jas. W. Toumey Blaine S. Viles J. L. Webb Asa L. Williams Robt. B. Wilson Karl W. Woodward J. P. Wentling	do	1
	Harry D. Tiemann	do	7
	Frank Tompkins	do	3
	G. E. Tower	do	9
	Jas. W. Toumey	do	9
	Blame S. Viles	do	$\frac{1}{3}$
	Aca I. Williams	do	3
	Tron II. Williams	do	1
	RODE B WILSON		

Date.	Name.	Nature of payment.	Total.
1902.			
et. 2	Raphael G. Zon. H. M. Curran J. W. Toumey C. T. Emmet Geo. Griswold Chas. H. Herty Wm. L. Hall Ralph S. Hosmer	Services	\$58 36
	H. M. Curran	Traveling expenses	36 20
	C. T. Emmet	do	133
	Geo. Griswold	do	133 38
	Chas, H. Herty	do	143
	Wm, L. Hall	do	158
	Ralph S. Hosmer	do	50 61
6	Wyckoff Soomans & Banadiet	Typewriter	461
0	Raiph S. Hosmer Edw. T. Allen Wyckoff, Seamans & Benedict Woodruff Manufacturing Co E. J. Pullman R. E. Benedict Edw. A. Braniff Ches. S. Cherwen	File case	127
	E. J. Pullman	Slide plates	10
	R. E. Benedict	Services	58
	Edw. A. Braniff Chas. S. Chapman Wesley J. Gardner Wm. R. Lazenby W. W. Mackie E. J. S. Moore H. K. Porter Chas. H. Shinn Alfred C. Weed Alpheus O. Waha Wm. D. Sterrett Ralph H. Field W. W. Mackie Theo. S. Woolsey, jr H. K. Porter G. S. Cleland W. P. Harris do	do	120 81
	Wasley I Gardner	do	49
	Wm. R. Lazenby	do	49 49
	W. W. Mackie	do	244
	E. J. S. Moore	do	19
	H. K. Porter	do	58 146
	Chas. H. Shinn	do	146
	Alphans O Waha	do	24
	Wm. D. Sterrett	Traveling expenses	20
	Ralph H. Field	do	20 25
	W. W. Mackie-	do	
	Theo. S. Woolsey, jr	do	120
	H. K. Porter	do	99 19
	W P Harris	do	17
	do	do	120 59 12 17 38
	Saml. M. Higgins	do	4
	Reynolds Hill	do	151
7	D. F. Parker	Paper	15 21
	Houghton & Dolono	Photo matorials	120
	Jno R. Ralev	Services	36
9	Henry Grinnell	Traveling expenses	94
10	Jno. Foley	do	133 112 51
	Thos. H. Sherrard	do	112
	Robt. A. Sanborn	do	51
	I H Burdielz	do	50 43
	Wm. H. Krieg	do	21
	Percy Brown	do	21 8
	Richd, P. Imes	do	19
	H. O. Tunis	do	42
	W.J. Gardner	do	61
	(Filbert Alleman	do	55 111
	The M. Lindsay Rubber Co	Rubber hose	3
	Richd. L. Lamb	Band dater	3 22
	Z. D. Gilman	Alum	
	Jno. C. Parker	Fountain pens, etc	61
	W B Moses & Sons	Chair	44 5
	G. S. Cleland W. P. Harris do Saml. M. Higgins Reynolds Hill D. F. Parker Lutz & Co Houghton & Delano Jno. R. Raley Henry Grinnell Jno. Foley Thos. H. Sherrard Robt. A. Sanborn Geo. Griswold J. H. Burdick Wm. H. Krieg Percy Brown Richd. P. Imes H. O. Tunis W. J. Gardner E. W. McDiarmid Gilbert Alleman The M. Lindsay Rubber Co Richd. L. Lamb Z. D. Gilman Jno. C. Parker Geo. F. Muth & Co W. B. Moses & Sons C. A. Schneider's Sons E. G. Schafer Co E. R. Lake Theo. S. Woolsey, jr	Iron blocks	ĭ
	E. G. Schafer Co	Photo materials	28 289 27 18
	E.R.Lake	Services	239
	E. R. Schafer Co E. R. Lake Theo. S. Woolsey, jr H. J. Tompkins H. M. Curran Ferris R. Miller R. M. Fontaine, jr O. W. Price	do	27
14	H. J. Tompkins	Trovaling expenses	18
14	Ferris R Miller	do	16
	R. M. Fontaine, ir	do	16
	O. W. Price	do	59
15	Jno. E. Keach	do	47 55
	Kapnael G. Zon	do	55
16	O. W. Frice Jno. E. Keach Raphael G. Zon. Grant B. Bruce Eugene S. Bruce E. A. Braniff A. B. Patterson H. J. Brown. G. F. Tower	do	21 442
10	E. A. Braniff	do	14
	A. B. Patterson	do	21
	H. J. Brown	do	21 61
	G. E. Tower	do	80
	Patk. Kennedy	do	36
	H. J. Brown G. E. Tower Patk. Kennedy E. M. Hamilton I. T. Wortherly Chas. E. Bessey T. P. Lukins W. I. Hutchinson	do	31 4
	Chas. E. Bessey	do	2
	T. P. Lukins	do	39
	THE T WE . I .	3	25

 $Expenditures of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30,1903-\text{Cont'd.}$ 

Date.	Name.	Nature of payment.	Total.
1902.	•		
oct. 16	Ralph E. Sheldon Asa S. Williams J. L. Webb Clinton G. Smith Harrold B. Kempton Log P. Loves	Traveling expenses	\$21.
	Asa S. Williams	do	14.
	J.L. Webb	do	33. 51.
	Harrold R Kempton	do	91.
	Jas. B. Jones	do	320. 43. 24.
	Abercrombe & Fitch	Tent, etc	24
	Keuffel & Esser	Section paper	109.
	Yawman & Erbe Manufacturing Co	Cupboard base	42.
	Herbert A. Smith	Services	7.
17	Wm. L. Hall	Traveling expenses	186
	F W Roslov	do	84. 30.
	Roht B Wilson	do	55
	L. C. Miller	do	85.
	H. D. Tiemann	do	37.
	H.W. Newman	do	64.
	Wm.B. Howard	do	35.
	R.E. Benedict	do	89.
	U.O. Sparks	do	281
	F Marrison Paner Co	Stationery	281 29 29 14
	Jas R Lambie	Tag screws etc	29.
	Fred A. Schmidt	Photo materials	5.
	Harrold B. Kempton Jas. B. Jones Abercrombe & Fitch Keuffel & Esser Yawman & Erbe Manufacturing Co. Herbert A. Smith Wm. L. Hall Jno. H. Hatton F. W. Besley Robt. B. Wilson L. C. Miller H. D. Tiemann H. W. Newman Wm. B. Howard R. E. Benedict C. O. Sparks Thos. Somerville & Sons E. Morrison Paper Co Jas. B. Lambie Fred A. Schmidt The Burnet Co. A. D. Hopkins Burton E. Babcock Alfred Gaskill Oran R. Akers	Wire	1.
18	A. D. Hopkins	Traveling expenses	298
20	Burton É. Babcock	do	45.
	Alfred Gaskill	do	16.
	Oran R. Akers	do	45.
	Giden G Diene	do	20. 6.
	Albort F Botton	ao	88
	Wosley I Condner	do	58
21	Rudolph West & Co	Drin nan etc	28
21 23	Jas. E. Gow	Traveling expenses	26
100	Wm. B. Howard	do	22
	Carl G. Crawford	do	60.
	do	do :	32.
	Will L. Porterfield	do	44.
	do	do	17.
	Jno. H. Bridges	ao	12 32
	Sidney S Riggs	do	32
	G. Fred Schwarz	do	63
	Anson E. Cohoon	do	66
	Frank G. Miller	do	100
	Hugh P. Baker	do	134
25	Jas. E. Gow	Services	24 115
25	Wm. T. Cox	Traveling expenses	115
	W. K. Hall	do	21 193
	P F Fisher	do	97
27	Jas E Gow	do	14
131	Edw. A. Braniff	do	19
	Alpheus O. Waha	do	29
	Alfred Gaskill Oran R. Akers do do Sidney S. Riggs Albert F. Potter Wesley J. Gardner Rudolph, West & Co Jas. E. Gow Wm. B. Howard Carl G. Crawford do Will L. Porterfield do Jno. H. Bridges E. J. S. Moore Sidney S. Riggs G. Fred. Schwarz Anson E. Cohoon Frank G. Miller Hugh P. Baker Jas. E. Gow Wm. T. Cox W. K. Hall Chas. H. Herty R. F. Fisher Jas. E. Gow Edw. A. Braniff Alpheus O. Waha Hartley B. Holroyd E. R. Hodson R. H. Field	do	29 43
	E. R. Hodson R. H. Field	do	40
	R. H. Field	do	18
90	H. S. Meekham	do	8
28 31	C. P. Cudwowth of al	Coloring	9.600
ov. 1	Alphons O Waha	Services	3; 698 25 25
01. 1	Howard W Taylor	do	25
	E. R. Secrest	do	25
	E. K. Hodson R. H. Field H. S. Meekham The Maurice Joyce Engraving Co. G. B. Sudworth et al. Alpheus O. Waha. Howard W. Taylor E. R. Secrest A. C. Ringland Sidney S. Riggs Herbert A. Paul Wm. H. Peters Jas. E. Gow Jno. S. Guthrie Lew C. Church C. A. McCue David G. Kinney Frank Tompkins. Wm. W. Cheever Henry W. Newman Geo. Farley Rollin G. Giffin Frank W. Reed Chas. S. Chapman	do	25 25
	Sidney S. Riggs	do	25
	Herbert A. Paul	do	25
	Wm. H. Peters	do	25
	Jas. E. Gow	do	25
	J. O. S. Guthrie	do	25 25
	C A McCre	do	20 40
	David G Kinney	do .	40
	Frank Tompkins	do	40
	Wm. W. Cheever	do	40
	Henry W. Newman	do	60
	Geo. Farley	do	60
	Rollin G. Giffin	do	75
			84

# $Expenditures of \ Department \ of \ Agriculture for year \ ending \ June \ 30, 1903-{\tt Cont'd}.$ FORESTRY INVESTIGATIONS—Continued.

	Name.	Nature of payment.	То
1	Coert Du Bois	Services	
	G. E. Clement	do	
	Hofer S. Meekham	do	
	Eugene S. Bruce	Tuevoling expenses	
	Wm C Hodge ir	do	
	Chas S Chanman	do	
3	J. P. Wentling	Services	:
	R. V. R. Revnolds	do	
	Louis H. Pammel	do	
	Titus G. Phillips	do	
	Irwin E. Nagle	do	
	Wm, H. Mast	do	
	Burton E. Livingston	do	
	Jno. M. Keeler, Jr	do	
	Willia T. Jongon	do	
	Richard P Imas	do	
	Clifton D Howe	do	
	Jacob C. Blumer	do	
	J. Fred Baker	do	
	W. C. Blaisdale	do	
	Matt. Crosby	do	
	Coert Du Bois G. E. Clement Hofer S. Meekham Eugene S. Bruce Thos. S. Sherrard Wm. C. Hodge, jr Chas. S. Chapman J. P. Wentling R. V. R. Reynolds Louis H. Pammel Titus G. Phillips Irwin E. Nagle Wm. H. Mast Burton E. Livingston Jno. M. Keeler, jr Royal S. Kellogg Willis L. Jepson Bichard P. Imes Clifton D. Howe Jacob C. Blumer J. Fred Baker W. C. Blaisdale Matt. Crosby Wm. T. Cox S. M. Coulter	do	
	S. M. Coulter	do	
	Saml. D. Detwiler	do	
	M. L. Erickson	do	
	Matt Crosby Wm. T. Cox S. M. Coulter Saml. D. Detwiler M. L. Erickson Wallace W. Everett Jas. M. Fetherolf J. L. Webb G. E. Tower Chas. A. Scott C. O. Sparks Ferris R. Miller Jno. E. Keach Frank Klarpp J. B. Jones Wm. B. Howard Jno. H. Hatton	do	
1	Jas. M. Fetnerolf	do	
	C. F. Tower	do	
	Chas A Scott	do	
	C O Sparks	do	
	Forris R Miller	do	
	Jno. E. Keach	do	
	Frank Klarpp	do	
	J. B. Jones	do	
	Wm. B. Howard	do	
	Jno. H. Hatton	do	
	Reynolds Hill Zina L. Bliss	do	
	Reynolds Hill	do	
	Zina L. Bliss	do	
	E. A. Sterling	do	
	Wm. C. Houge, Jr	do	
	E. A. Sterling Wm. C. Hodge, jr Edw. M. Hamilton C. Temple Emmet	do	
	Auson E. Genedict Anson E. Cohoon Harrold B. Kempton Thos. P. I. Phiros	do	
	Raymond E. Benedict	do	
	Anson E. Cohoon	do	
	Harrold B. Kempton	do	
	Theo. P. Lukins	do	
	H. K. Porter	do	
	Alarrold B. Kempton Theo, P. Lukins H. K. Porter Jno, W. Riggs W. J. Gardner Ralph H. Field Geo. L. Clothier Hugh P. Baker Burton E. Babcock Fred W. Besley Edw. T. Allen Oren R. Akers Hartley B. Holroyd F. Tracy Hubbard Louis C. Miller Frank G. Miller Will L. Porterfield Clinton G. Smith H. O. Tunis Ralph S. Hosmer	do	
	W.J. Gardner	do	
	Raiph H. Field	do	
	Unah D. Pakan	00	
	Runton F. Rabacely	do	
	Fred W Resley	do	
П	Edw T Allen	do	
	Oren R Akers	do	
П	Hartley B Holroyd	do	
1	F. Tracy Hubbard	do	
	Louis C. Miller	do	
I	Frank G. Miller	do	
	Will L. Porterfield	do	
1	Clinton G. Smith	do	
	H. O. Tunis	do	
1	Ralph S. Hosmer	do	1
	H. O. Tunis Ralph S. Hosmer Chas. H. Herty Patek. Kennedy W. W. Mackie Albert F. Potter Chas. H. Shinn Edw. A. Braniff Jas. D. Toumey H. J. Tompkins Grant B. Bruce C. A. Scott	do	1 1 1
	Patck. Kennedy	do	1
	W. W. Mackie	do	- 1
	Albert F. Potter	do	1 1 1
	Chas. H. Shinn	do	1
	Law. A. Braniii	do	1
	H. I. Townsking	u0	1
	Crent P Dunce	do	î
		uo -	

ate.	Name.	Nature of payment.
902.	•	
v. 3	Z. L. Bliss Carl G. Crawford Wm. C. Hodge, jr Geo. L. Clothier Paul M. Rea Homer A. Rodgers Jas. E. Gow	Traveling expenses
	Carl G. Crawford	do
	Wm. U. Hodge, Jr	do
	Paul M. Rea	do
	Homer A. Rodgers	do
5	Jas. E. Gow	do
6	Jas. E. Gow G. E. Clement David G. Kinney Henry S. Graves Clifton D. Howe Chas. H. Shinn F. E. Olmsted Eugene S. Bruce H. B. Kempton G. Fred. Schwarz W. G. Gardner R. H. Field M. L. Erickson	do
	David G. Kinney	do
	Clifton D. Howe	do
	Chas. H. Shinn	do
	F. E. Olmsted	do
0	Eugene S. Bruce	do
8	H. B. Kempton	do
	W G Gardner	do
	R. H. Field	do
	M.L. Erickson	do
	Raphael H. Zon	do
	Austin T. Hawes	do
	Ino W Riggs	do
11	J. L. Webb	do
	C. A. McCue	do
	Theo. S. Woolsey, jr	do
	R. H. Field M. L. Erickson Raphael H. Zon Austin T. Hawes Rollin G. Giffin Jno. W. Riggs J. L. Webb C. A. McCue Theo. S. Woolsey, jr Z. L. Bliss Coert Du Bois Jno. D. Guthrie A. C. Ringland J. Fred Baker H. J. Tompkins W. W. Mackie Chas. H. Shinn Herbert A. Smith do Wm. R. Lazenby Homer A. Rogers	do
	Ino D Guthria	do
	A. C. Ringland	do
	J.Fred Baker	do
	H. J. Tompkins	do
	W. W. Mackie	do
	Harbort A Smith	do
	do	do
	Wm. R. Lazenby	Services
	Homer A. Rogers	do
	Herbert A. Smith	do
13	H. D. Tiemann	Popoing
19	Mackall Bros	Photo supplies
	E. J. Pullman	dodo
	Win. R. Lazenby Homer A. Rogers Herbert A. Smith H. D. Tiemann Church & Stephenson Mackall Bros E. J. Pullman Rudolph, West & Co W. W. Mackie Herbert A. Paul H. W. Newmann R. E. Benedict A. F. Potter Samuel B. Detwiler C. O. Sparks	Materials for photo laboratory.
17	W. W. Mackie	Traveling expenses
	Herbert A. Paul	do
	R. E. Benedict	do
	A.F. Potter	do
	Samuel B. Detwiler	do
	Samuel B. Detwier C. O. Sparks Chas. A. Scott David G. Kinney W. W. Cheever W. W. H. Betow	do
	Chas. A. Scott	do
	W W Cheever	do
	Wm. H. Peters Anson E. Cohoon M. O. Jensen Hermann von Schrenk	do
	Anson E. Cohoon	do
	M. O. Jensen	Services
	Hermann von Schrenk	Expenses
	H C Squipes & Son	Photos Dutch cloth
	Hermann von Schrenk E. N. Crane H. C. Squires & Son W. & L. E. Gurley Abercrombie & Fitch Keuffel & Esser Co International Motor Car Co Chas S. Lonkins in	Chains
	Abercrombie & Fitch	Silk, etc Calipers Boiler
	Keuffel & Esser Co	Calipers
	International Motor Car Co	Boiler
	The Washington Woodworking Co	Podwood
	Chas, S. Jenkins, jr The Washington Woodworking Co Capital Traction Co Amberg File and Index Co S. B. Johnson	Map rack Redwood Car tickets
	Amberg File and Index Co	
	S.P.Johnson	Card platen
	Amberg File and Index Co S. P. Johnson The Maurice Joyce Engraving Co Woodward & Lothrop Walker & Hazleton	Cabinet indexes Card platen Die Desk Piewele
	Walker & Hazleton	
	Louis Giclas	Lamp shade
	Louis Giclas D. Rickenbacker	Lamp shade Repairing clock Chair seats, etc
		Chair seats, etc
	Clark & Davenport Barber & Ross Hugh Reilly	Carpet Nails, etc Enamel Traveling expenses
	Hugh Reilly	Enamel
19	H. E. Burk Coert Du Bois	Traveling expenses
		dodo

Date.	Name.	Nature of payment.	Total
1902.			_
ov. 19	Library Bureau Houghton & Delano R. Carter Ballantyne Titus G. Phillips Wesley J. Gardner Reynolds Hill Howard W. Taylor Geo. Griswold Anson E. Cohoon E. A. Braniff	Cards.etc	\$93
54.10	Houghton & Delano	Tripods, etc.	99
	R Carter Ballantyne	Paper weights	26
20	Titus G. Phillips	Traveling expenses	24
140	Wesley J. Gardner	do	95
	Reynolds Hill	do	122 35 59 19
	Howard W. Taylor	do	35
	Geo. Griswold	do	59
	Anson E. Cohoon	do	19
	E. A. Braniff	do	10
	R. L. Burns Kelly Axe Manufacturing Co. The Geo. B. Donavin Co.	Services	24 13
21	Kelly Axe Manufacturing Co	Axes	13
	The Geo. B. Donavin Co	Ranges	38
			4
	Thos. Somerville & Sons	Gauge, etc	5 41
	Geo, F. Muth & Co	Oil, etc	41
	Thos. Somerville & Sons Geo. F. Muth & Co. Wyckoff, Seamans & Benedict National Electrical Supply Co.	Gauge, etc Oil, etc Typewriter Repairing camera	99
	National Electrical Supply Co	Repairing camera	õ
	A. Eberly Sons	Stove, etc	11 52
	F. & J. K. Bishop	Disco paper	5%
22	A. Eberly Sons F. & J. K. Bishop Yawman & Erbe Manufacturing Co	Stove, etc Disco paper Document sections	18
	do	Guides	2
2	Jno. B. Espey H. N. Whitford	Stencils Traveling expenses	1
28	H. N. W nitford	Traveling expenses	8
	K. L. Burns	dodo	76
	Reynolds Hill Woodruff Manufacturing Co	Drawing racks	40 302
20.	Woodruff Manufacturing Co	Drawing racks	302
29	Lauxman & Sincell Fred. A. Schmidt	Gas extensions	14 54
	Fred. A. Schmidt	Pens	99
	Holmes Rubber Co. Geo. B. Sudworth et al	Gloves Salaries	3, 243
e. 1	Eurost A Stouling	Salaries	5, 242 81
c. 1	Ernest A. Sterling Geo. B. Sudworth H. K. Porter	Services Trayeling expenses	650
	U V Douton	Traveling expenses	659
	dodo	do	134 180
2	Jewett & Son	Maps Brushes	100
~	I I Holoomh Manufacturing Co	Danishos	ë
	Ino C Poulzon	Tabala ata	11
	Jewett & Son J. I. Holcomb Manufacturing Co Jno. C. Parker Jno. M. Keeler, jr Wallace W. Everett M. L. Erickson Jas. C. Gow R. H. Field Saml. B. Detwiler G. Alleman W. W. Cheever Reynolds Hill Wm. C. Hodge, jr Chas. H. Herty E. R. Hodson Frank Tompkins	Carriage	24
	Wellers W Frontt	do	24
	M. I. Frielzen	do	24
	Tag C Cow	do	24
	R. H. Field	do	24
	Saml. B. Detwiler	do	24
	G. Alleman	do	60
	W. W. Cheever	do	39
	Reynolds Hill	-do	39
	Wm. C. Hodge, ir	-do	81
	Chas. H. Herty	do	168
	E. R. Hodson	do	39
	Frank Tompkins	do	39
	Howard W. Taylor	do	24
	Jas. W. Toumy	do	24 97
	W. W. Mackie	do	127
	Herbert A. Paul	do	24
	E. R. Hodson Frank Tompkins Howard W. Taylor Jas, W. Toumy W. W. Mackie Herbert A. Paul W. H. Peters A. F. Potter	do	24 122
	A. F. Potter	do	122
	A.O. Waha	do	24
	A. C. Ringland	do	24
	Irwin E. Nagle	do	24
	S. M. Coulter	do	24
	Burton E. Livingston	do	24
	Louis H. Pammel	do	24
	W.C. Blaisdale	do	24
	Chitton D. Howe	do	24
	Jno. D. Guthrie	do	24
	Jas. M. Fetherolf	do	24
	W. H. Peters A. O. Waha A. C. Ringland Irwin E. Nagle S. M. Coulter Burton E. Livingston Louis H. Pammel W. C. Blaisdale Clifton D. Howe Jno. D. Guthrie Jas. M. Fetherolf Lew C. Church R. V. R. Reynolds Wilkie C. Clark Ovid M. Butler J. Fred. Baker Clayton D. Mell Carl M. Erdman Matt Crosby J. P. Wentling J. S. Holmes J. S. Holmes Jno. E. Semmes Wm. T. Cox	do	24
	K. V. K. Reynolds	do	24
	Wilkie C. Clark	do	24 18 17
	Ovid M. Butler	do	17
	J. Fred. Baker	do	9.1
	Clayton D. Mell	do	24
	Carl M. Erdman	do	24 17 24
	Matt Crosby.	do	24
	J.P. Wentling	do	24
	JOS. A. FITZWATEF	(10)	24
	J. D. HOIMES	do	17 17

# $Expenditures \ of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1903-{\tt Cont'd}.$

ate.	Name.	Nature of payment.	Tota
02.	. 3		
Dec. 2	Titus G. Phillips	Services	\$24
	Royal S. Kellogg Frank Klarpp	do	24
	H. K. Porter	do	39 70
	Oran R. Akers	do	31
	F. W. Besley Will L. Porterfield	do .	31
	Will L. Porterfield	do	31
	S. S. Riggs	do	24
	E.R. Secrist	do	24 24
	Jacob C. Blumer Burton E. Babcock	do	31
	J. H. Burdict	do	31
	H. S. Meekham	do	122
	C. O. Sparks Zena L. Bliss	do	39 39
	Wm. H. Mast	do	39
	Wm. H. Mast Thos. H. Sherrard	do	146
	R. S. Hosmer	do	97
	Patk. Kennedy	do	100
	Eugene S. Brüce	do	163 50
3	Jas. B. Jones	Traveling expenses	77
	M. C. Jensen Jas. B. Jones Patk. Kennedy Wm. C. Dodge, jr	do	108
	Wm. C. Dodge, jr	do	201
	A. O. Waha E. M. Hamilton	ao	39
	T P Lukone	do	56 165
	T.P.Lukens C.T.Emmet	do	62
	Chas. S. Chapman C. T. Emmet R. G. Giffin	do	110
	C. T. Emmet	Services	81
	R. G. Giffin	do	73 58
	Geo. Farley Henry W. Newman R. E. Benedict	do	58
	R. E. Benedict	do	58
	Anson E. Cohoon Raphael G. Zoz Theo. P. Lukins	do	58
	Raphael G. Zon	do	58
	Theo. P. Lukins	do	58 49
	Chas. A. Scott Jno. H. Hatton	do	49
	W. J. Gardner	do	49.
	Austin F. Hawes	do	49.
	Geo. Griswold	do	49
	J. L. Webb	do	49. 58
	Harold B. Kempton Jno. W. Riggs Frankl. W. Reed G. E. Clement	do	58.
	Frankl. W. Reed	do	81.
	G. E. Clement	do	81.
			39. 39.
	C. A. McCue David G. Kinney Wm. B. Howard	do	39.
	Wm. B. Howard	do	39.
	G. E. Tower Ferris R. Miller	do	39.
	Ferris R. Miller	do	39
	H. J. Tompkins Edw. M. Hamilton	do	22 81
	Coert Du Bois	do	81
	Coert Du Bois J. B. Jones	do	90
	Chas. S. Chapman Chicago, Milwaukee and St. Paul Rwy. Co. Seaboard Air Line Rwy. Co. The Atchison, Topeka and Santa Fe Rwy.	do	81 27 11
	Chicago, Milwaukee and St. Paul Rwy. Co.	Passenger transportation	27
	The Atchison Topoka and Santa Fe Rwy	do	1
			•
	do*	do	7
			71
	Chicago and Alton Rwy Co	do	$\frac{71}{5}$
	do do Chicago and Alton Rwy. Co Norfolk and Western Rwy. Co Santa Fe, Prescott and Phoenix Rwy. Co do Labiel Wallow B. B. Co	do	105
	Santa Fe, Prescott and Phoenix Rwy. Co	do	35
	do	do	79
	Lehigh Valley R. R. Co	do	9
	Lehigh Valley R. R. Co Great Northern Rwy. Co .do Louisville and Nashville R. R. Co	do	24 83
	Louisville and Nashville R. R. Co	do	47
	Louisville and Nashville R. R. Codo.  do  The Southern Kansas Railroad of Texas Canadian Pacific Rwy. Co Minnesota and International Rwy. Co Duluth, South Shore and Atlantic Rwy. Co Delaware, Lackawanna and Western R. R. Co	do	4
	The Southern Kansas Railroad of Texas	do	10
	Canadian Pacific Rwy. Co.	do	7
	Duluth South Shore and Atlantic Prov. Co.	do	$\frac{3}{20}$
			5

ate.	Name.	Nature of payment.	Total
902.			
e. 3	Boston and Maine R. R. Co. Freemont, Elkhorn and Missouri Valley	Passenger transportationdo	\$15. 3.
	Rwy. Co. Minneapolis, St. Paul and Sault Ste. Marie	do	16.
	Rwy. Co. St. Johnsbury and Lake Champlain R. R. Co.	do	5.
	Co. Central of Georgia Rwy. Co Cincinnati, New Orleans and Texas Pacific	do	13. 15.
	Rwy. Co.		4.
	Georgia and Southern Florida Rwy. Co Nashville, Chattanooga and St. Louis Rwy. Co.		12.
	Maine Central R. R. Co. New York, New Haven and Hartford R. R. Co.	do	3. 64.
	Danger and Angestraly D. D. Co.	do	67.
	The Long Island R. R. Co Michigan Central R. R. Co Michigan Central R. R. Co The Oregon R. R. and Navigation Co The Chesapeake and Ohio Rwy. Co F. E. Olmsted R. T. Fisher Rollin G. Griffin Chas S. Chanman	do	9. 16.
	The Chesapeake and Ohio Rwy. Co	do	112. 15.
4	F. E. Olmsted B. T. Fisher	Traveling expensesdo	48. 73.
	Rollin G. Griffin	do	5. 94.
	W. J. Woods	Stove, etc	24.
1	Chas. S. Chapman W. J. Woods The Geo. W. Knox Express Co.	Transportationdo	31.
	do do E. A. Braniff Herbert A. Smith M. Du Perow	ao	75.
6	Herbert A. Smith	do	21. 11.
	W.H.Dyer	Ripping lumber	9.
-8	W. H. Dyer Herbert A. Smith Matt. Crosby H. von Schrenk	Services do Cut-outs, etc Ripping lumber Traveling expenses do Expenses Rubber bands Traveling expenses do	3. 18.
	H. von Schrenk	Expenses	160.
10	Ernest A. Sterling	Traveling expenses	167. 86.
11	Eberhard Faber Ernest A. Sterling A. D. Hopkins Harry D. Tiemann Chas, H. Herty Wm. T. Cox A. C. Ringland G. E. Tower W. P. Harris Hugh McCurran Rufus B. Merchant The American News Co	Services	10
	Chas, H. Herty Wm. T. Cox	Traveling expenses	157. 117. 30.
13	A. C. Ringland	do	30. 129.
i	W.P. Harris	Services.	9.
16	Rufus B. Merchant	Route maps	119. 19.
	Rufus B. Merchant The American News Co F. A. Van Sant The G. B. Donavin Co	Route maps Ink eradicators Views Cooking range	27.
	The G. B. Donavin Co	Cooking range	9. 12.
	Martin Wiegand E. S. Newman	Tags Copy holder Photo supplies Inspection of boiler	1.
-	Houghton & Delano E. F. Vermillion	Photo supplies Inspection of boiler	9. 5.
1	Hermann Baumgarten	Sign marker	11. 10.
19	C. O. Sparks	Traveling expenses	16.
	Coert Du Bois	do	31. 69.
	Patk. Kennedy H. W. Newman	do	14. 30,
	Eugene S. Bruce.	do	217. 120.
	Austen F. Hames	do	51. 89.
	Albert F, Potter	do	94.
-	W. J. Gardner Jno. W. Riggs	do	76. 93.
	R. V. R. Reynolds	do	õ.
	W. W. Mackie	do	38. 55. 26.
	The G. B. Donavin Co Martin Wiegand E. S. Newman Houghton & Delano E. F. Vermillion Hermann Baumgarten W. H. Hall C. O. Sparks Edw. M. Hamilton Coert Du Bois Patk. Kennedy H. W. Newman Eugene S. Bruce Chas. A. Scott Austen F. Hames H. von Schrenk Albert F. Potter W. J. Gardner Jno. W. Riggs R. V. R. Reynolds Saml B. Detwiler W. W. Mackie Baltimore and Ohio R. R. Co New York Central and Hudson River R. R. Co. Nowthern Pacific Rwy. Co	Passenger transportation dodo	26. 134.
-	Northern Pacific Rwy. Co Baltimore and Ohio R. R. Co New York Central and Hudson River R. R.	do	65. 115.
	New York Central and Hudson River R. R. Co.	do	22.
	Burlington and Missouri River R. R. Co	do	66.

Date.	Name.	Nature of payment.	Total.
1902.			
Dec. 19	Southern Rwy. Co Northern Pacific Rwy. Co do Burlington and Missouri River R. R. Co Pennsylvania Co Southern Rwy. Co Baltimore and Ohio R. R. Co Pennsylvania R. R. Co	Passenger transportation	\$25.80 60.50
	do	do	60.50 69.37
	Burlington and Missouri River R. R. Co	do	114.33
	Southern Rwy Co	do	35.00 28.85
	Baltimore and Ohio R. R. Co	do	18.67
	Pennsylvania R. R. Co	do	28.85 18.67 42.75 73.70
	New York Central and Hudson River R. R.	do	9. 75
	Co.		20. 50
	do Pennsylvania R. R. Co Z. L. Bliss H. K. Porter Jno. M. Keeler, jr Lew C. Church M. C. Jensen Geo. B. Sudworth J. H. Hatton T. P. Lukens R. E. Benedict Jas. B. Jones Reynolds Hill Geo. Griswold W. H. Mast Harold B. Kempton Z. L. Bliss	do	39. 59 87. 95
22 27	Z. L. Bliss	Traveling expenses	87. 95 43. 26 93. 25
21	Jno. M. Keeler, ir	do	28.18
	Lew C. Church	do	10.25
	M. C. Jensen	do	28.58 204.00
	J. H. Hatton	do	183. 20 541. 38
	T. P. Lukens	do	541.38
	Jas. B. Jones	do	. 8, 84 79, 96
	Reynolds Hill	do	253. 21 24. 76
	Geo. Griswold	do	24. 76 16. 54
	Harold B. Kempton	do	262. 13
	Harold B. Kempton Z. L. Bliss Geo, Farley Wm. T. Cox do M. C. Jensen Jno. Foley Albert F. Potter O. J. J. Luebkert E. A. Braniff E. A Braniff E. A Benett	do	48.00 14.70 72.60
	Wm. T. Cox	do	72.6
	do	do	18.00
	M. C. Jensen	do	27. 0 75. 70
	Albert F. Potter	do	75.7 $48.2$
	O.J.J.Luebkert	do	30.6
	E. A. Braniii	dv	26.3
634	Robt. A. Sanborn	Services	12.2
31	E. A. Bennett Robt. A. Sanborn G. B. Sudworth et al.		3, 702. 8
	Robt, A. Sanborn G. B. Sudworth et al Total second quarter		34. 44 26. 3 12. 2 3, 702. 8 48, 762. 3
1903.	Total second quarter		3, 702. 8 48, 762. 3
1903.	Total second quarter		3, 702.8 48, 762.3 25.3 25.3
1903.	Total second quarter  Royal S. Kellogg W.C. Blasdale L. H. Pammell	Servicesdo	3, 702.8 48, 762.3 25.3 25.3 25.3 25.3
1903,	Total second quarter  Royal S. Kellogg W.C. Blasdale L. H. Pammell	Servicesdo	3, 702. 89 48, 762. 3 25. 3 25. 3 25. 3
1903.	Total second quarter  Royal S. Kellogg W.C. Blasdale L. H. Pammell	Servicesdo	3, 702.8 48, 762.3 25.3 25.3 25.3 25.3
1903.	Total second quarter  Royal S. Kellogg W.C. Blasdale L. H. Pammell	Servicesdo	3, 702.8 48, 762.3 25.3 25.3 25.3 25.3
1903.	Total second quarter  Royal S. Kellogg W.C. Blasdale L. H. Pammell	Servicesdo	3, 702.8 48, 762.3 25.3 25.3 25.3 25.3
1903.	Total second quarter  Royal S. Kellogg W.C. Blasdale L. H. Pammell	Servicesdo	3, 702.8 48, 762.3 25.3 25.3 25.3
1903.	Total second quarter  Royal S. Kellogg W.C. Blasdale L. H. Pammell	Servicesdo	3, 702.8 48, 762.3 25.3 25.3 25.3 25.3
1903.	Total second quarter  Royal S. Kellogg W.C. Blasdale L. H. Pammell	Servicesdo	3, 702.8 48, 762.3 25.3 25.3 25.3 25.3
1903.	Total second quarter  Royal S. Kellogg W.C. Blasdale L. H. Pammell	Servicesdo	3, 702.8 48, 762.3 25.3 25.3 25.3 25.3
1903.	Total second quarter  Royal S. Kellogg W.C. Blasdale L. H. Pammell	Servicesdo	3, 702.8 48, 762.3 25.3 25.3 25.3
1903.	Total second quarter  Royal S. Kellogg W.C. Blasdale L. H. Pammell	Servicesdo	3, 702.8 48, 762.3 25.3 25.3 25.3
1903,	Royal S. Kellogg W. C. Blasdale L. H. Pammell B. E. Livingston S. M. Coulter M. L. Erickson Saml, B. Detwiler Clifton D. Howe S. S. Riggs Jas. M. Fetherolf Will L. Porterfield Herbert A. Paul W. H. Peters Burton E. Babcock J. H. Burdick Ovid M. Butler Lew C. Church Carl M. Erdman	Services	3, 702.8 48, 762.3 25.3 25.3 25.3
1903,	Royal S. Kellogg W. C. Blasdale L. H. Pammell B. E. Livingston S. M. Coulter M. L. Erickson Saml, B. Detwiler Clifton D. Howe S. S. Riggs Jas. M. Fetherolf Will L. Porterfield Herbert A. Paul W. H. Peters Burton E. Babcock J. H. Burdick Ovid M. Butler Lew C. Church Carl M. Erdman	Services	3, 702. 8 48, 762. 3 25.
1903,	Royal S. Kellogg W. C. Blasdale L. H. Pammell B. E. Livingston S. M. Coulter M. L. Erickson Saml, B. Detwiler Clifton D. Howe S. S. Riggs Jas. M. Fetherolf Will L. Porterfield Herbert A. Paul W. H. Peters Burton E. Babcock J. H. Burdick Ovid M. Butler Lew C. Church Carl M. Erdman	Services	3, 702. 8 48, 762. 3 25. 3, 3
1903,	Royal S. Kellogg W. C. Blasdale L. H. Pammell B. E. Livingston S. M. Coulter M. L. Erickson Saml, B. Detwiler Clifton D. Howe S. S. Riggs Jas. M. Fetherolf Will L. Porterfield Herbert A. Paul W. H. Peters Burton E. Babcock J. H. Burdick Ovid M. Butler Lew C. Church Carl M. Erdman	Services	3, 702. 8 48, 762. 3 25. 3, 3
1903,	Royal S. Kellogg W. C. Blasdale L. H. Pammell B. E. Livingston S. M. Coulter M. L. Erickson Saml, B. Detwiler Clifton D. Howe S. S. Riggs Jas. M. Fetherolf Will L. Porterfield Herbert A. Paul W. H. Peters Burton E. Babcock J. H. Burdick Ovid M. Butler Lew C. Church Carl M. Erdman	Services	48, 762, 8 48, 762, 8 25, 8, 8 25, 8
1903,	Royal S. Kellogg W. C. Blasdale L. H. Pammell B. E. Livingston S. M. Coulter M. L. Erickson Saml. B. Detwiler Clifton D. Howe S. S. Riggs Jas. M. Fetherolf Will L. Porterfield Herbert A. Paul W. H. Peters Burton E. Babcock J. H. Burdick Ovid M. Butler Lew C. Church Carl M. Erdman Jos. A. Fitzwater Jno. D. Guthrie S. J. Holmes Jno. M. Keeler, jr Howard W. Taylor H. G. Tunis A. C. Ringland Leve E. Sammes in	Services	48, 762, 8 48, 762, 3 25, 3
1903,	Royal S. Kellogg W. C. Blasdale L. H. Pammell B. E. Livingston S. M. Coulter M. L. Erickson Saml. B. Detwiler Clifton D. Howe S. S. Riggs Jas. M. Fetherolf Will L. Porterfield Herbert A. Paul W. H. Peters Burton E. Babcock J. H. Burdick Ovid M. Butler Lew C. Church Carl M. Erdman Jos. A. Fitzwater Jno. D. Guthrie S. J. Holmes Jno. M. Keeler, jr Howard W. Taylor H. G. Tunis A. C. Ringland Leve E. Sammes in	Services	48, 762, 8  48, 762, 8  25, 8
1903,	Royal S. Kellogg W. C. Blasdale L. H. Pammell B. E. Livingston S. M. Coulter M. L. Erickson Saml. B. Detwiler Clifton D. Howe S. S. Riggs Jas. M. Fetherolf Will L. Porterfield Herbert A. Paul W. H. Peters Burton E. Babcock J. H. Burdick Ovid M. Butler Lew C. Church Carl M. Erdman Jos. A. Fitzwater Jno. D. Guthrie S. J. Holmes Jno. M. Keeler, jr Howard W. Taylor H. G. Tunis A. C. Ringland Leve E. Sammes in	Services	48, 762, 8  48, 762, 8  25, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8,
1903,	Royal S. Kellogg W. C. Blasdale L. H. Pammell B. E. Livingston S. M. Coulter M. L. Erickson Saml. B. Detwiler Clifton D. Howe S. S. Riggs Jas. M. Fetherolf Will L. Porterfield Herbert A. Paul W. H. Peters Burton E. Babcock J. H. Burdick Ovid M. Butler Lew C. Church Carl M. Erdman Jos. A. Fitzwater Jno. D. Guthrie S. J. Holmes Jno. M. Keeler, jr Howard W. Taylor H. G. Tunis A. C. Ringland Jno. E. Semmes, jr A. O. Waba Jas. E. Grow R. H. Field Wallace W Everett	Services	48, 762, 8  48, 762, 8  25, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8,
1903,	Royal S. Kellogg W. C. Blasdale L. H. Pammell B. E. Livingston S. M. Coulter M. L. Erickson Saml. B. Detwiler Clifton D. Howe S. S. Riggs Jas. M. Fetherolf Will L. Porterfield Herbert A. Paul W. H. Peters Burton E. Babcock J. H. Burdick Ovid M. Butler Lew C. Church Carl M. Erdman Jos. A. Fitzwater Jno. D. Guthrie S. J. Holmes Jno. M. Keeler, jr Howard W. Taylor H. G. Tunis A. C. Ringland Jno. E. Semmes, jr A. O. Waha Jas. E. Grow R. H. Field Wallace W. Everett J. B. Jones Burneld B. H. Burneld	Services	48, 702. 8  48, 702. 8  25. 8
1903,	Royal S. Kellogg W. C. Blasdale L. H. Pammell B. E. Livingston S. M. Coulter M. L. Erickson Saml. B. Detwiler Clifton D. Howe S. S. Riggs Jas. M. Fetherolf Will L. Porterfield Herbert A. Paul W. H. Peters Burton E. Babcock J. H. Burdick Ovid M. Butler Lew C. Church Carl M. Erdman Jos. A. Fitzwater Jno. D. Guthrie S. J. Holmes Jno. M. Keeler, jr Howard W. Taylor H. G. Tunis A. C. Ringland Jno. E. Semmes, jr A. O. Walia Jas. E. Grow R. H. Field Wallace W. Everett J. B. Jones Reynolds Hill Web. L. Met.	Services	48, 762, 8 48, 762, 8 25, 3, 3, 3, 25, 3, 3, 25, 3, 3, 25, 3, 3, 25, 3, 3, 25, 3, 3, 25, 3, 3, 25, 3, 3, 25, 3, 3, 25, 3, 3, 25, 3, 3, 25, 3, 3, 25, 3, 3, 25, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3,
1903.	Royal S. Kellogg W. C. Blasdale L. H. Pammell B. E. Livingston S. M. Coulter M. L. Erickson Saml. B. Detwiler Clifton D. Howe S. S. Riggs Jas. M. Fetherolf Will L. Porterfield Herbert A. Paul W. H. Peters Burton E. Babcock J. H. Burdick Ovid M. Butler Lew C. Church Carl M. Erdman Jos. A. Fitzwater Jno. D. Guthrie S. J. Holmes Jno. M. Keeler, jr Howard W. Taylor H. G. Tunis A. C. Ringland Jno. E. Semmes, jr A. O. Waha Jas. E. Grow R. H. Field Wallace W. Everett J. B. Jones Burneld B. H. Burneld	Services	3, 702.8 48, 762.3 25.3 25.3 25.3

	Name.	Nature of payment.	Tota
3	Wm. W. Cheever E. R. Hodson Frank Tomkins G. E. Tower Jno, E. Keach Wm. B. Howard Frank Klarpp Chas. A. Scott Jno. H. Halton J. L. Webb W. J. Gardner Geo. Griswold Hugh M. Curran Henry W. Newman Geo. Farley Raphael G. Zon T. P. Lukens Jno. W. Riggs G. Alleman Franklin W. Reed Wm. C. Hodge, jr G. E. Clement Chas. S. Chapman Edw. M. Hamilton Coert Du Bois W. L. Jekson Oren R. Akers Wm. R. Lazenby R. V. R. Reynolds Albert T. Potter R. G. Griffin H. S. Meekham Thos. H. Sherrard Jas. W. Toumey Ralph S. Hasmer Chas. H. Herty Eugene S. Bruce E. A. Braniff I. E. Nagle Herbert A. Smith Jacob C. Blumer Titus G. Phillips Wm. T. Cox Matt. Crosby Austin T. Hawes F. W. Besley E. R. Secrist Wilkie C. Clark Frank Tomkins R. T. Fisher Ralph S. Hosmer Chas. H. Herty Titus G. Phillips Ry Horel Ralph, West & Co Geo. Schilling Estate of W. P. Rupp R. P. Anderson & Co. (Incorporated) W. K. Halt Matt. Crosby Harry D. Tiemann J. C. Blumer Alfred Gaskill B. J. Teasdale Harold B. Kempton Z. D. Gilman		
3	Wm. W. Cheever E. R. Hodson	Services	\$40
- 1	E. R. Hodson	do	40
	G F Tower	do	40
	Jno. E. Keach	do	40
	Wm. B. Howard	do	4( 4(
	Frank Klarpp	do	40
	Chas. A. Scott	do	5(
	J. Wohh	do	5( 5(
	W. J. Gardner	do	50
	Geo. Griswold	do	50
	Hugh M. Curran	do	60
	Henry W. Newman	do	60 60
	Perhant C. Zon	do	60
1	T. P. Lukens	do	60
	Jno. W. Riggs	do	60
	G. Alleman	do	60
1	Franklin W. Reed	do	84 85
	Wm. C. Hodge, Jr	do	8: 8:
	Chac S Chanman	do	8
	Edw M Hamilton	do	8-
	Coert Du Bois	do	8- 8- 49
	W. L. Jekson	do	49
	Oren R. Akers	do	13 49 36
}*	Wm. R. Lazenby	do	45
1	Albert T Potter	do	120
	R. G. Griffin	do	7
	H. S. Meekham	do	120
	Thos. H. Sherrard	do	15.
	Jas. W. Toumey	do	101 101 168
	Ralph S. Hasmer	do	10.
	Fugana S Bruca	do	168
	E. A. Braniff	do	72
	I.E. Nagle	do	7
	Herbert A. Smith	do	49
	Jacob C. Blumer	do	1:
	Titus G. Phillips	do	1.
	Matt Crosby	do	13
	Austin T. Hawes	do	37
	F. W. Besley	do	15 17
	E. R. Secrist	do	17
5	Wilkie C. Clark	do	20
	P. W. Fighen	Traveling expenses	26
	Ralph S Hoemer	do	7: 6:
	Chas. H. Herty	do	19
	Titus G. Phillips	do	2
	Rudolph, West & Co	Back flaps, etc	10
	Geo. Schilling	Repairing instruments	
	R. P. Anderson & Co. (Incorporated)	Way nanar	
6	W. K. Halt	Traveling expenses	2
8	Matt. Crosby	do	2
0	Harry D. Tiemann	Services	60
9	J. C. Blumer	do Services Traveling expenses do	
2	Alfred Gaskill	do	2
	Harold B. Kempton	- do	2
3	Z. D. Gilman	Alum	,
	Sawyer & Wagner	Paper Plate glass Photographic supplies	
	Geo. E. Corbett	Plate glass	13
	Holmes & Co	Pubbon bose	3
	Darius E Burton	Rubber hose Ax handles	
	M. Du Perow	Drop annunciator	1:
	Alfred Gaskill B. J. Teasdale Harold B. Kempton Z. D. Gilman Sawyer & Wagner Geo. E. Corbett F. & J. K. Bishop Art Co Holmes & Co Darius E. Burton M. Du Perow J. W. Fawcett Wm. H. Dyer	Drop annunciator Window shades	1 2
	Wm. H. Dyer Lamb & Tilden J. & H. Atchison	Wire molding Stamp racks Soft-steel blocks	3
	Lamp & Tilden	Stamp racks	
	Lutz & Co	Leather seats for chairs	3
l5	Vawman & Erbe Manufacturing Co.	Boy drawer sections	29
	Library Bureau F. W. Bicknell Chas. A. Scott	Library Expenses	120
	F W Pielrnell	Expenses	1.50

# $Expenditures of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30, 1903-{\tt Cont'd}.$

Date.	Name.	Nature of payment.	Toţal.
1903.	7		
n. 15	Henry Grinnell Jno, W. Riggs E. R. Secrist M. L. Erickson Jos. A. Fitzwater Austin F. Hawes H. von Schrenk do Ray. L. Marsden M. C. Jensen Alfred Ackerman H. K. Porter R. E. Benedict L. Bradley, jr	Traveling expenses	\$50.
	Jno. W. Riggs	do	\$50. 51.
	E. R. Secrist	do	61
	M. L. Erickson	do	10.
	Jos. A. Fitzwater	do	26.
	Austin F. Hawes	do	57.
	H. von Schrenk	do	81.
	Ray I. Maredan	Sorvings	114. 71.
	M. C. Jensen	do	50.
	Alfred Ackerman	do	71.
16	H. K. Porter	do	84.
	R. E. Benedict	do	60.
	R. E. Benedict L. Bradley, jr Louis Hartig Geo. M. Baldwin Geo. Griswold H. W. Newman Eugene S. Bruce T. P. Lukens Chas. A. Scott C. A. Snayls	do	11.
	Louis Hartig	Iron	31.
17	Geo. M. Baldwin	Southern pine	31.
1.4	H W Newman	Traveling expenses	28. 64.
	Eugene S Bruce	do	233.
	T. P. Lukens	do	252
	Chas. A. Scott	do	90.
	Cas A. Scott C. A. Sparks Reynolds Hill Edwin M. Hamilton Wesley J. Gardner Henry S. Graves Wm. R. Lazenby Wm. H. Most	do	25. 92.
	Reynolds Hill	do	92.
10	Edwin M. Hamilton	do	67.
19	Wesley J. Gardner	do	61.
	Henry S. Graves	do	30. 50.
	Wm. H. Mast	do	14.
	W.I. Woods	Office fixtures	33.
20	W.J. Woods Alfred Ackerman	Office fixtures Traveling expenses	30.
	Andrew Stowert	Traveling expenses. Turpentine oil. Wrapping paper Carbon paper Filter Photo supplies.	3.
	J.P. Nawrath Jno. Underwood & Co Dulin & Martin	Wrapping paper	15.
	Jno. Underwood & Co	Carbon paper	12.
21	Dulin & Martin	Filter	2.
		Photo supplies	9.
	Wm, H. Deyer D, Frank Parker Chas, R. Edmonston	Labor Paper	. 3. 5.
	Chae P Edmonston	Supplies	16.
	E. J. Pullman Fred A. Schmidt Houghton & Delano	Supplies Photo supplies Drawing material Photo material	37.
	Fred A Schmidt	Drawing material	20
	Houghton & Delano	Photo material	1.
	Barber & Ross. Neely Electric Construction and Supply Co Church & Stephenson	Nails, etc	26.
	Neely Electric Construction and Supply Co	Electric supplies	4.
	Church & Stephenson	Material for file cases	151.
	Jno. C. Parker	Nails, etc Electric supplies Material for file cases Letter files, etc Photo supplies Moving furniture Yale locks, etc	31.
	Marchants' Transportation and Storage Co.	Moving furniture	7. 20.
	Pudelph Weet & Co	Volo locks of	19.
	The J. C. Ergood Co.	Lye	10.
	W. B. Moses & Sons	Furniture	48.
	Hugh Reilly	Glass, etc	9.
	Mackall Bros Merchants' Transportation and Storage Co. Rudolph, West & Co The J. C. Ergood Co W. B. Moses & Sons Hugh Reilly Geo, F. Math & Co. Lutz & Co	Drawing materials	50.
	Ge., F. Muth & Co. Lutz & Co. R. Carter Ballantyne Saml. B. Detwiler Logan W. Page Blue Line Transfer Co. Postal Telegraph Cable Co. G. Fred, Schwarz Jno, H. Norton. Gilbert Atleman. Wm, H. Krug M. C. Jensen.	r timute Glass, etc Drawing materials Chair seats Stationery Traveling expenses  do o	2. 57.
	K. Carter Ballantyne	Stationery	57.
	Sami. B. Detwiler	Traveling expenses	20.
22	Rlue Line Transfer Co	Transportation Service Traveling expenses do do	34. 1
140	Postal Telegraph Cable Co	Service	1. 3.
	G. Fred. Schwarz	Traveling expenses	33.
	Jno. H. Norton	do	48.
	Gilbert Alleman	do	90.
23 24	Wm, H, Krug	do	3.
24	M, C, Jensen C, E, Clark	do Hay Passenger transportation	41.
	C, E, Clark	Hay	30.
	Bangor and Aroostook R. R. Co	Passenger transportation	56. 97.
	Georgia Southern and Florida Rwy Co	do	31.
	Santa Fe Prescott and Phoenix Rwy Co	do	3. 91.
	Chicago and Northwestern Rwy Co	do	6. 13.
	M. C. Jensen C. E. Clark Bangor and Aroostook R. R. Co. Chicago, Burlington and Quincy Rwy. Co. Georgia Southern and Florida Rwy. Co. Santa Fe, Prescott and Phoenix Rwy. Co. Chicago and Northwestern Rwy. Co. Cooperstown and Charlotte Valley R. R. Co.	do	13.
	Bangor and Aroostook R. R. Co.	do	38.
	Atchison, Topeka and Santa Fe Rwy, Co.	do	57.
	Georgetown and Western R. R. Co	do	24.
	Co. Bangor and Aroostook R. R. Co. Atchison, Topeka and Santa Fe Rwy. Co. Atchison, Topeka and Santa Fe Rwy. Co. Georgetown and Western R. R. Co. Denver and Rio Grande R. R. Co. Maine Central R. R. Co. The Colorado Southern Rwy. Co. The Chicago and Alton Rwy. Co. Seaboard Air Line Texas and New Orleans R. R. Co.	do	6.
	Maine Central R. R. Co.	do	17.
	The Colorado Southern Rwy. Co	do	30.
	The Chicago and Alton Rwy. Co	do	7.
		do	20.

# Expenditures of Department of Agriculture for year ending June 30, 1903—Cont'd. FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
an. 24	Woodward & Lothrop The Geo. W. Knox Express Co Northern Pacific Rwy. Co Fremont, Elkhorn and Missouri Valley	Shades	\$41.
	The Geo. W. Knox Express Co.	Transportation	8.
:26	Northern Pacific Rwy. Co	Passenger transportation	54. 71.
	Fremont, Elkhorn and Missouri Valley	do	71.
	Rwy. Co. Norfolk and Western Rwy. Co Burlington and Missouri River R. R. Co New York Central and Hudson River R. R. Co.		00
	Norfolk and Western Rwy. Co	00	33.
	New Verk Control and Hudson Piver P. P.	do	115. 39.
	Co.		50.
	Co. The Pullman Co Great Northern Rwy. Co The Pullman Co Chesapeake and Ohio Rwy. Co The Oregon Railroad and Navigation Co Atchison, Topeka and Santa Fe Rwy. Co Northern Pacific Rwy. Co Delaware, Lackawanna and Western R. R. Co	do	34.
	Great Northern Rwy. Co	do	47. 58.
	The Pullman Co	do	58.
	Chesapeake and Ohio Rwy. Co	do	39.
	The Oregon Railroad and Navigation Co.	do	80.
	Northern Pacific Pury Co	do	47. 25.
	Delaware Lackawanna and Western R R	do	6.
	Co.		0.
	The Lake Shore and Michigan Southern	do	22.
	Rwy. Co.		
	Great Northern Rwy. Co	do	14.
	Rwy.Co. Great Northern Rwy.Co. Chicago, Milwaukee and St. Paul Rwy.Co. Fremont, Elkhorn and Missouri Valley	do	14 27 48
	Fremont, Elkhorn and Missouri Valley	do	48
	IVW V. CO.		ja.
	The Oregon Railroad and Navigation Co-	do	7
	Union Pacific R. R. Co	do	30
	Central of Georgia Rwy. Co Union Pacific R. R. Co Fort Worth and Denver City Rwy. Co The Atchison, Topeka and Santa Fe Rwy.	do	10
	The Atchison, Topeka and Santa Fe Rwy,	do	45
	Pennsylvania Co New York Central and Hudson River R. R.	do	35
	New York Central and Hudson River R. R.	do	7.
	Co. The Atchican Manaka and Santa Es Bry	do	1.
	The Atchison, Topeka and Santa Fe Rwy. Co.	do	1.
27		do	39
~ .	do	do	34
	Louisville and Nashville R. R. Co	do	35
	The Pennsylvania R. R. Co	do	16
	do	do	62
	Baltimore and Ohio R. R. Co	do	46
	Atlantic Coast Line R. R. Co.	do	4 14
	Southern Rwy. Codo  Louisville and Nashville R. R. Co The Pennsylvania R. R. Co do Baltimore and Ohio R. R. Co Atlantic Coast Line R. R. Co Southern Rwy. Co New York, New Haven and Hartford R. R.	do	55
	Co.		90.
	Louisville and Nashville R. R. Co	do	3
	The Pennsylvania R. R. Co	do	20
	do	do	60
	Louisville and Nashville R. R. Co The Pennsylvania R. R. Co do Southern Rwy. Co New York, New Haven and Hartford R. R.	do	35
	New York, New Haven and Hartford R. R. Co.	do	59
	Matt. Crosby	Traveling expenses	21
	J Fred Baker	do	50
28	W. P. Turner	Tools	20
	J. Fred. Baker W. P. Turner Jno. C. Bauer	Photo proofs Cabinet indexes	13
	Jno. C. Bauer Amberg File and Index Co Pen Carbon Manifold Co Keuffel & Esser Woodruff Manufacturing Co Walter B. Clay Warren M. Whyte M. Du Perow M. Du Perow	Cabinet indexes	13
	Pen Carbon Manifold Co	Letter books	18
	Keuffel & Esser	Pocket tapes	79
	Wolter P. Clay	Coloium conbide	5 1
	Warren M Whyte	Tin hox	1
	M Du Perow	Rubber tane etc	8
	Wyckoff, Seamans & Benedict	Typewriter, etc	126
31	George B. Sudworth et al	Salaries	-3,868
b. 2	Oyid M. Butler	Services	25
	W. C. Blaisdell	do	25
	Low C Church	do	25 25
	Carl M Erdman	do	25 25
	Wallace W. Everett	do	25 25
	Jas. M. Fetherolf	do	25
	R. H. Field	do	25
	Jos, H. Fitzwater	do	25
	Jas, E, Gaw	do	25
	Woodruff Manufacturing Co. Walter B. Clay Warren M. Whyte M. Du Perow Wyckoff, Seamans & Benedict George B. Sudworth et al Oyid M. Butler W. C. Blaisdell Burton E. Babcock Lew C. Church Carl M. Erdman Wallage W. Everett Jas. M. Fetherolf R. H., Field Jos. H. Fitzwater Jao. D. Guthrie J. S. Holmes	do	25.
	J. S. Holmes	do	25
	J. S. Holmes Clifton D. Howe Willis L. Jepson Jno. M. Keeler, jr Royal S. Kellogg	do	25 25
	Tro M Kodon in	do	25. 25.

ate.	Name.	Nature of payment.	Tota
7 9	`		
b. 2	Burton E. Livingston	Services	S
	Clayton D. Mell	do	\$
	W.H.Peters	do	2
	W. H. Peters Herbert A. Paul Will L. Porterfield Louis H. Pammell A. C. Ringland Jno. S. Semmes, jr H. O. Tunis Howard W. Taylor Alpheus O. Waha Wm. W. Cheever Matt. Crosby Wm. B. Howard E. R. Hodson	do	- 1
	Will L. Porterfield	do	5
	Louis H. Pammell	do	
	A. C. Ringland	do	-
	Jno. S. Semines, Jr	do	
	H. U. Tunis	do	ě
	Alphone O. Woho	do	6
	Wm W Cheaver	do	
	Matt Crosby	do	4
	Wm. B. Howard	do	2
	E. R. Hodson Reynolds Hill	do	-
	Reynolds Hill	do	4
	Jas. B. Jones	do	4
	Jas. B. Jones Jno. E. Keach Frank Klarpp	do	4
	Frank Klarpp	do	4
	David D. Kinney	do	4
	WIII. H. Mast	do	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
	David D. Kinney Wm. H. Mast C. A. McCue R. V. R. Reynolds	do	4
	C O Sparks	do	4
	C. O. Sparks. Frank Tompkins G. E. Tower S. P. Woolfolk Geo, Griswold	do	4
	G. E. Tower	do	-
	S. P. Woolfolk	do	2
	Geo. Griswold	do	
	ano. H. Hatton		
	Chas, A. Scott	do	
	J. L. Webb	do	-
	R. E. Benedict	do	1
	Geo. Farley	do	(
	T. P. Lukens Henry W. Newman Jno. W. Riggs	00	1
	Inc. W. Pierce	do	
	Jacob Yalter	do	
	Raphael G. Zon	do	
	Alfred K. Chittenden	do	8
	Alfred K. Chittenden G. E. Clement Chas. S. Chapman	do	8
	Chas. S. Chapman	do	8
	Coert DuBois	do	8
	Henry Grinnell Edwd. M. Hamilton	do	8
	Edwd. M. Hamilton	do	8
	wm. C. Hodge, Jr.		8
	Frank W. Pood	do	
	Wm. C. Hodge, jr H. K. Porter Frank W. Reed G. Alleman	do	i
	Eugene Bruce	do	1
	J. H. Burdiet	do	-
	J. H. Burdiet Edw. A. Braniff	do	,
	S. M. Coulter	do	
	Anson E. Cohoon	do	12
	M. L. Erickson	do	
	R. G. Griffin Wesley J. Gardner Chas. H. Herty	do	
	Wesley J. Gardner	do	12
	M. C. Jongen	do	1
	M. C. Jensen H. S. Meekham	do	1
	Albert F. Potter		19
	Thos. H. Sherrard	do	16 16 10
	Herbert A. Smith	do	10
	Jas. A. Toumev	do	. 10
4	Jas. A. Toumey William R. Lazenby	do	7
	Chas. Becker. W. K. Halt_	Lead	
	W. K. Halt	Traveling expenses	2
	Eugene S. Bruce	do	1
	Clayton D. Mell	ao	-
	Roy L. Marston E. R. Lake	do	
	do. Lake	do	i
7	do Edw. A. Braniff	do	6
	R. S. Saltus Harry D. Tiemann United States Express Co	Services	6
	Harry D. Tiemann	do	
9	United States Express Co	Transportation	-
	dodo	do	(
	uo		
	do	do	
		do	:

Date.	Name.	Nature of payment.	Total.
1903.			
eb. 11 12	Jas. B. Jones H. W. Newman Adams Express Co	Traveling expenses	874. 99.
12	Adams Express Co	Transportation	21.
	do	do	21. 18.
	do do do do R. T. Fisher Herbert A. Smith Jacob Yatter Edw. M. Hamilton	do	9.
	do	do	43. 35.
	do	do	16.
14	R. T. Fisher	Traveling expenses	104. 15.
	Jacob Vatter	do	65.
	Edw. M. Hamilton. Z. L. Bliss. Chas. Thuener Planing Mills Co. Jacob C. Blumer. Hugh M. Curran T. P. Lukens. Chas. A. Scott.	do	70.
	Z. L. Bliss	do	21.
	Jacob C Blumer	Services	41. 41.
	Hugh M. Curran	do	62.
16	T. P. Lukens Chas. A. Scott	Traveling expenses	340. 1.
	Chas. A. Scott	do	1. 86.
	T. E. Olmsted	do	46.
17	J. C. Blumer	do	6.
	Lew C. Church	do	29.
	Chas H. Herty	do	132. 78
	W.H. Mast	do	78. 66. 132.
10	Chas. A. Scott. do T. E. Olmsted J. C. Blumer Lew C. Church Henry Grinnell. Chas. H. Herty W. H. Mast H. von Schrenk F. & J. K. Bishop Art Co The Maurice Joyce Engraving Co do Houghton & Delano	do	132.
18	The Maurice Lovee Engraving Co	Photo supplies	40.
	do	do	1.
	Houghton & Delano	Photo supplies	43.
	Capital Traction Co.	Photo supplies Car tickets Copy holder	10. 2.
	L. S. Newman	Copynoider	2. 4.
	Lamb & Tilden	Ink Daters	19.
	The Maurice Joyce Engraving Codo do Woughton & Delano. Capital Traction Co. E. S. Newman Jas. N. Rupp Lamb & Tilden American Writing Machine Co E. J. Pullman	Stationery Lantern slide plates Drawing material	103.
	E. J. Pullman Fred A. Schmidt	Lantern slide plates	15.
	Neely Electric Construction and Supply Co	( !loats	16.
	do	Electric supplies	1.
	Library Bureau Cleveland, Cincinnati, Chicago and St. Louis	Cards	50. 20.
	Rwy. Co. Nashville, Chattanooga and St. Louis Rwy.		19.
	Co. New York, New Haven and Hartford R. R.		13.
	Co. Burlington and Missouri River R. R. Co		33.
	do	do	83.
19	do Chicago, St. Paul, Minneapolis and Omaha	do	83. 27.
			P/1
	Texas and New Orleans R. R. Co. Denver and Rio Grande R. R. Co	do	71.
	Pennsylvania Co	do	57. 70.
	The Philadelphia, Newtown and New York R. R. Co. Great Northern R. R. Co. Chicago and Northwestern Rwy. Co. Pennsylvania R. R. Co. Georgia R. R. Co. Seaboard Air Line Rwy. Co. Louisville and Nashville R. R. Co. Alabama and Great Southern R. R. Co. Canadian Pacific Rwy. Co. Wyckoff, Seamans & Benedict. J. P. Nawrath. Church & Stephenson. M. C. Jensen. H. B. Kempton. Yawman & Erbe Manufacturing Co.	do	4
	K. K. Co. Great Northern R. R. Co.	do	0
	Chicago and Northwestern Rwy. Co	do	27
	Pennsylvania R. R. Co	do	8. 27. 32.
	Georgia R. R. Co	do	17
	Louisville and Nashville R. R. Co	do	27
	Alabama and Great Southern R. R. Co	do	24
	Canadian Pacific Rwy. Co.	do	26. 182.
	Wyckoff, Seamans & Benedict	Typewriter	182.
20	Church & Stephenson	Lumber	2.
	M. C. Jensen	Traveling expenses	52
0.4	H. B. Kempton	do	14.
24 25	Wyckolf, Seamans & Benedict J. P. Nawrath Church & Stephenson M. C. Jensen H. B. Kempton Yawman & Erbe Manufacturing Co Rudolph, West & Co. Jas. B. Lambie Geo. B. Sudworth et al Burton E. Babcock	Uapinet	14. 15. 7.
	Jas. B. Lambie	Scales	25.
28	Geo. B. Sudworth et al Burton E. Babcock	Salaries	3,724.
. 2	Burton E. Babcock	Services	23.
	W. C. Blaisdale	do	23. 23.
	Jacob C. Blumer	do	23.
	Burron E. Babcock Ovid M. Butler W. C. Blaisdale Jacob C. Blumer Matt. Crosby Wallace W. Everett Carl M. Erdman Jas. A. Fitzwater R. H. Field	do	23.
	Wallace W. Everett	do	23.
	Jas A Fitzwater	do	23. 23.
			(wt)

 $Expenditures \ of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1903-{\tt Cont'd}.$ 

Date.	Name.	Nature of payment.	Total
.903.	Jas. M. Fetherolf Jno. D. Guthrie Jas. E. Gow Clifton D. Howe J. S. Holmes Willis L. Jepson Jno. M. Keeler, jr Royal S. Kellogg Burton E. Livingston Clayton D. Mell Herbert A. Paul Louis H. Pammel Will L. Porterfield A. C. Ringland		
ar. 2	Jas. M. Fetherolf	Services	\$23.
	Jno. D. Guthrie	00	23.
	Clifton D Howe	do	23. 23. 23.
	J. S. Holmes	do	93
	Willis L. Jepson	do	23 23 23
	Jno. M. Keeler, jr	do	23.
	Royal S. Kellogg	do	23.
	Clayton D Mell	do	23. 23.
	Herbert A Paul	do	23.
	Louis H. Pammel	do	23.
	Will L. Porterfield	do	23.
	A. C. Ringland	do	23
	Jno. E. Semmes, Jr.	do	23. 23.
	H O Tunis	do	25. 23.
	Alpheus O. Waha	do	23
	William W. Cheever	do	23. 37.
	E. R. Hodson	do	37.
	Wm. B. Howard	do	37. 37. 37. 37.
	Keynolds Hill	do	37.
	Jno E. Keach	do	37.
	Louis H. Pammel Will L. Porterfield A. C. Ringland Jno. E. Semmes, jr Howard W. Taylor H. O. Tunis Alpheus O. Waha William W. Cheever E. R. Hodson Wm. B. Howard Reynolds Hill James B. Jones Jno. E. Keach David G. Kenney Wm. H. Mast C. A. McCue Robt. V. R. Reynolds C. O. Sparks Frank Tompkins Geo. E. Tower S. P. Wolfolk Geo. Griswold Jno. H. Hatton Frank Klarpp Chas. A. Scott J. L. Webb Alfred K. Chittenden G. E. Clement Chas. S. Chapman	do	37
	Wm. H. Mast	do	37. 37.
	C. A. McCue	do	37
	Robt. V. R. Reynolds	do	37. 37. 37.
	C. O. Sparks	do	37.
	Geo E Tower	do	37.
	S. P. Wolfolk	do	37.
	Geo. Griswold	do	46.
	Jno. H. Hatton	do	46.
	Frank Klarpp	do	46.
	Chas. A. Scott	do	46. 46.
	Alfred K Chittenden	do	77.
	G E Clement	do	77.
	Chas, S. Chapman	do	77.
	Coert Du Bois	āo	77. 77.
	Wm. C. Hodge, jr	do	77
	E. M. Hamilton	00	77.
	Franklin W Reed	do	77. 77. 77.
	Jesse C. Waite	do	77.
	Hugh M. Curran	do	56.
	Anson E. Cohoon	do	56.
	Geo. Frarley	do	56.
	Theo. P. Lukins	do do	56.
	Raphael G. Zon	do	56. 56.
	G. Alleman	do	60.
	E. S. Bruce	do	155. 75.
	J. L. Webb. Alfred K. Chittenden G. E. Clement Chas. S. Chapman Coert Du Bois Wm. C. Hodge, jr E. M. Hamilton H. K. Porter Franklin W. Reed Jesse C. Waite Hugh M. Curran Anson E. Cohoon Geo. Frarley Theo. P. Lukins Henry W. Newman Raphael G. Zon G. Alleman E. S. Bruce Edw. A. Braniff Henry Grinnell R. G. Giffin Chas. H. Herty M. C. Jensen H. S. Meekham Albert F. Potter	do	75.
	R G Giffin	do	93. 70.
	Chas H Herty	do	175
	M. C. Jensen	do	175. 50.
	H. S. Meekham	do	116
	Albert F. Potter Thos. H. Sherrard	do	116. 140. 22.
			140.
	E. R. Secrest Rufus B. Merchant	Route maps	101
3	W. P. Turner	Tools	20.
0	The Voigtlander & Son Optical Co	Lens Transfer cases	20. 137. 14.
	Amberg File and Index Co	Transfer cases	14.
	Rutus B. Merchant W. P. Turner The Voigtlander & Son Optical Co. Amberg File and Index Co. The Mathy Co. (Incorporated) Jas. S. Topham Z. D. Gilman	Tin boxes	19
	Jas. S. Topham	Mail bag Photo supplies	9.
	Z. D. Gilman The Chesapeake and Potomac Telephone	Service	9. 2. 45.
	Co.		τυ.
	do	do	45.
4	E. Morrison Paper Co	Chinning togg	35.
	E. Morrison Paper Co	Towels	8. 4.
5	R. Carter Ballantyne	Smpping tags Towels. Scrapbooks,etc Repairing mail bag Turpentine Services	4.
	R. Carter Banantyne Lutz & Co Hugh Reilly Wm. R. Lazenby Jno. W. Riggs	Turnentine	1.
6	Wm R Lazenby	Services	23.
	17 III. 10. 14th ACHDY	NO. 1.000	56.

Date	e.	Name.	Nature of payment.	Total.
1903.		III A Goriale	Convince	256 00
Mar.	6	H. A. Smith	Services	\$56,00 56,00
	9	H. A. Smith Jacob Yatter Gilbert Alleman	Traveling expenses	18.51
		H. A. Smith Jacob Yatter Gilbert Alleman do do do Henry S. Graves Revnolds Hill B. T. Fisher	Expenses	72.85 $115.38$
		do	do	115.38
		Henry S Graves	Traveling expenses	91.70 19.70 173.90
		Reynolds Hill	do	173.90
		R. T. Fisher	do	17.60
		The state of the s	3	10.90
		Willis J. Griffing	Lumber	26. 74 22. 60 7. 50
		E. E. Adams	Services	7.50
		Raymond E. Benedict	do	56.00 40.00
	11	Mackall Bros	Nitrate silver	17.97
	12	W. K. Hatt	Traveling expenses	39.65
	14	E. A. Braniff	do	35.63
		Edw. M. Hamilton	do	56.00 56.00
		Wm. H. Mast	do	61.14
		H. von Schrenk	do	41.99
	,	American Steel and Wire Co	Marking nails	47.13
	17 18	Ernest A. Sterling Willis J. Griffing E. E. Adams Raymond E. Benedict Harry D. Tiemann Mackall Bros W. K. Hatt E. A. Braniff Edw. M. Hamilton Jacob Yatter Wm. H. Mast H. von Schrenk American Steel and Wire Co Rufus B. Merchant Chas, A. Scott C. O. Sparks T. P. Lukins W. K. Hatt E. Morrison Paper Co	Traveling expenses	5.60 50.24
		Chas, A. Scott C. O. Sparks T. P. Lukins W. K. Hatt E. Morrison Paper Co Fred A. Schmidt Houghton & Delano W. I. Zob	do	89 45 169.33
		T.P. Lukins	do	169.33
		W. K. Hatt	do	124.94 18.96
		Fred A. Schmidt	Drawing material	23.31
		Houghton & Delano	Photo supplies	54.70
		W.J.Zeh	Coal	7. 25
		F & I K Righon Art Co	Typewriter ribbons Photo supplies Moving furniture	$\frac{3.50}{50.80}$
		M. M. Cady	Moving furniture	7.50
		No. J. Zeh W. J. Zeh The Elliot & Hatch Book Typewriter Co. F. & J. K. Bishop Art Co. M. M. Cady Topping Bros. Henry J. Green. Chas. R. Edmonston	Hatchets Thermometers Cuspidors	13.00 11.48 4.02
				11.48
-	19	Jas. B. Lambie	Scissors	4.50
		Chas. R. Edmonston Jas. B. Lambie Hugh Reilly The J. C. Ergood Co Jas. B. Jones Chas. H. Herty Jno. W. Riggs Herbert A. Smith Jas. W. Toumey Chas. S. Jenkins, jr The Fairbanks Co The Geo. W. Millar Co Jewett & Son. Wm. C. Dyer Wm. Walter Wagner Typewriter Co Jas. B. Lambie Wyckoff, Seamans & Benedict Jno. Foley Reynolds Hill F. E. Olmsted	Scissors Photo supplies Pearline Traveling expenses	6,74
		The J. C. Ergood Co	Pearline	. 60 103. 70
4	21	Chas H Harty	do	103.70 142.39
,	-1	Jno, W. Riggs	do	85. 15
		Herbert A. Smith	do	15.45
		Jas. W. Toumey	do do Map rack Scales Cardboard Maps Sash and doors	21.20
		The Fairbanks Co	Scales	55.00 67.50
		The Geo. W. Millar Co	Cardboard	1.43
		Jewett & Son	Maps	6.00
		Wm Walter	Rangiring blank holders	12.00 13.10
		Wagner Typewriter Co.	Repairing blank holders Typewriter Tenoning machine Typewriter Traveling expenses do	92.00
:	23	Jas. B. Lambie	Tenoning machine	23.38
		Wyckoff, Seamans & Benedict	Typewriter	188.00 22.90
3	25	Reynolds Hill	do	139.93
		F. É. Olmsted G. B. Sudworth et al	Salaries	21.22 $5,406.35$
	31	G.B. Sudworth et al	Salaries	
		Total third quarter		37, 473. 58
Apr.	1	Everett E. Adams	Services	25.80
		Wallace W Everett	do	25.80 25.80
		Clifton D. Howe	do	25.80
		Willis L. Jepson	do	25.80
		Royal S. Kellogg	do	25.80
		Everett E. Adams W. C. Blaisdale W. Allace W. Everett Clifton D. Howe Willis L. Jepson Royal S. Kellogg Burton E. Livingston Louis H. Pammel Zina L. Bliss Wm. T. Cox	do	25, 80 25, 80
		Zina L. Bliss	do	41.30
		Wm. T. Cox Wm. B. Howard Wm. H. Mast B. V. R. Reynolds	do	41.30
		Wm. H Mast	do	41.30 41.30
		R. V. R. Reynolds	do	41.30
		C.O. Sparks	do	41.30
		Frank Tompkins	do	41.30
		J. P. Wentling	do	41.30 41.30
		R. V. K. Reynolds C. O. Sparks Frank Tompkins Geo. E. Tower J. P. Wentling S. P. Woolfolk	do	41.30

Date.	Name.	Nature of payment.	Tot
1903.			
pr. 1	Geo. Griswold	Services	\$5
	Jno. H. Hatton	do	5
	Geo. Griswold Juo. H. Hatton Frank Klarpp Chas. A. Scott J. L. Webb Raymond E. Benedict Hugh M. Curran Geo. Farley Harold B. Kempton Theo. P. Lukins Jno. W. Riggs Jacob Yatter	do	0.0.00
	J.L. Webb	do	ā
	Raymond E. Benedict.	do	6
	Geo Farley	do	6
	Harold B. Kempton	do	f
	Theo. P. Lukins	do	6
	Jno. W. Riggs	do	6
	Jacob Yatter Alfred K. Chittenden Chas. S. Chapman Coert Du Bois. Wm. C. Hodge, jr Edw. M. Hamilton H. K. Porter	do	8
	Chas. S. Chapman	do	8
	Coert Du Bois	do	8
•	Edw M Hamilton	do	3
	H. K. Porter	do	8
	Ernest A. Sterling	do	8
	A. Alleman Edw. T. Allen Eugene S. Bruce	do	6
	Eugene S. Bruce	do	17 17
	R. H. Field	do	- 1
	Henry Grinnell Reynolds Hill	do	10
	Chas H Harty	do	19
	Ray L. Marston	do	16
	Albert F. Potter	do	12
	Smith Riley	do	1
	Reynolds Hill Chas H. Herty Ray L. Marston Albert F. Potter Smith Riley Thos. H. Sherrard Jessie C. Waite. W. R. Hatt Edw. A. Braniff M. C. Jensen Wm. R. Lazenby Herbert A. Smith Harry D. Tiemann E. A. Braniff R. T. Fisher Alfred Gaskill Wm. L. Hall	do	16
4	W. R. Hatt	Traveling expenses	3
6	Edw. A. Braniff	Services	1.
	Wm R Lazenby	do	
	Herbert A. Smith	do	3
	Harry D. Tiemann	do	Ę
	E. A. Braniff	Traveling expenses	2
	Alfred Gaskill	do	2
	Wm. L. Hall M. C. Jensen F. E. Olmsted	do	3
	M. C. Jensen	do	200
	F. E. Olmsted	do	5
8	Houghton & Delano	Photo supplies	16
9	Church & Stephenson	Lumber	11
	Chas. A. Hodgkin	Ground glasses	11
	Lutz & Co	Window shades	1
10	Henry Grinnell	Traveling expenses	1 18
	Harold B. Kempton	do	11
	Ernest A. Sterling	do	8
	J C Blumer	do	4
13	The Maurice Joyce Engraving Co	Die .	
	E. Morrison Paper Co	Stationery	1
14	Yawman & Erbe Manufacturing Co	Bookcase	2
1.4	Emil Schneider	Photo supplies	
	Erker Bros. Optical Co	do	4
	United States Envelope Co	Envelopes	7
	The American News Co	Clins	. 2
	Jno. C. Bauer	Wood cuts	1
	Geo. M. Baldwin	Southern pine	2
	Wm. G. Johnston & Co	Binding	g
	do	do	2
	M. C. Jensen F. E. Olmsted Smith Riley Houghton & Delano Church & Stephenson Chas A. Hodgkin Lutz & Co J. W. Fawcett Henry Grinnell Harold B. Kempton Ernest A. Sterling Z. L. Bliss J. C. Blumer The Maurice Joyce Engraving Co E. Morrison Paper Co Yawman & Erbe Manufacturing Co Wells, Fargo & Co. Express Emil Schneider Erker Bros. Optical Co United States Envelope Co The Fairbanks Co The American News Co Jno. C. Bauer Geo. M. Baldwin Wm. G. Johnston & Co The Pullman Co do Chicago, St. Paul, Milwaukee and Omaha	Passenger transportationdo Transportation	
	Rwy.Co.	S	40
15	Loren E. Hunt	Dervices Traveling expenses	12
15	Wm. B. Howard	do	5
	Smith Riley	do	5
	W. A. Langille	do	10
10	Chicago, St. Paul, Milwaukee and Omaha Rwy, Co. Loren E. Hunt Wm. H. Mast Wm. B. Howard Smith Riley W. A. Langille H. von Schrenk A. D. Hopkins Chas. A. Chapman Reynolds Hill The J. C. Ergood Co	do	21
16	Chas. A. Chapman	do	21 9 15
			25

Date.	Name.	Nature of payment.	Total
1903.	-		
pr. 17	Jas. B. Lambie Co Woodward & Lothrop Jno. B. Espey C. C. Pursell	Thermometers	\$3.
L	Jas. B. Lambie Co Woodward & Lothrop Jno. B. Espey C. C. Pursell R. Carter Ballantyne The Geo. W. Knox Express Co do Western Union Telegraph Co Canadian Pacific Rwy. Co Chicago, Burlington and Quincy R. R. Co Northern Pacific Rwy. Co Missouri, Kansas and Texas Rwy. Co Missouri Pacific Rwy. Co St. Louis and San Francisco R. R. Co Chicago, Milwaukee and St. Paul R. R. Co Northern Pacific Rwy. Co St. Louis and San Francisco R. R. Co Chicago, Milwaukee and St. Paul R. R. Co Northern Pacific Rwy. Co New York, New Haven and Hartford R. R. Co.	Towels, etc	52
	Jno. B. Espey	Bell bit	
	C. C. Pursell  P. Canton Bellentyne	Stamp pad	32
	The Geo W Knox Express Co	Transportation	52.
	do	do	
	Western Union Telegraph Co	Service	14.
18	Canadian Pacific Rwy. Co	Passenger transportation	14 7 28
	Northern Pacific Rwy Co	do	12
	Missouri, Kansas and Texas Rwy, Co	do	11
	Missouri Pacific Rwy. Co	do	55
	St. Louis and San Francisco R. R. Co	do	5
	Vorthern Pacific Rwy Co	do	16 58
	New York, New Haven and Hartford	do	27
	R. R. Co.		141
	do	do	34
	Terre Haute and Indianapolis R. R. Co	do	20
	do Terre Haute and Indianapolis R. R. Co Baltimore and Ohio R. R. Co Delaware, Lackawanna and Western	do	21 5
	Rwy.Co.		9
	Southern Rwy. Co	do	108
	Atlantic Coast Line R. R. Co	do	11 17
	Rwy.Co. Southern Rwy.Co. Atlantic Coast Line R. R. Co. Washington and Southern Rwy.Co. Burlington and Missouri River R. R. Co. Great Northern Rwy.Co. Pennsylvania R. R. Co. Missouri Pacific Rwy.Co. Gulf, Colorado and Santa Fe Rwy.Co. Chicago and Northwestern Rwy.Co. Delaware. Lackawanna and Western Rwy.Co.	do	17
	Great Northern Rwy Co	do	3 36
	Pennsylvania R. R. Co	do	24
	Missouri Pacific Rwy. Co	do	24 27 12
	Gulf, Colorado and Santa Fe Rwy. Co	do	12
	Unicago and Northwestern Rwy. Co.	do	2
	Rwy. Co.		+
	Northern Pacific Rwy. Co	do	5
	Northern Pacific Rwy. Co Michigan Central R. R. Co	do	14 31 12
	Pennsylvania R. R. Co	do	31
	Pennsylvania R. R. Co Houston and Texas Central R. R. Co Illinois Central R. R. Co Georgia Southern and Florida Rwy. Co T. P. Lukens Chas. H. Herty David G. Kenney	do	21
	Georgia Southern and Florida Rwy, Co	do	6
	T. P. Lukens	Traveling expenses	91
	Chas. H. Herty	do	275
	David G. Kenney Roy L. Marston J. P. Wentling Frank Tompkins Herbert A. Paul Eugene S. Bruce Abercrombie & Fitch	do	17
20	J. P. Wentling	do	77 56
	Frank Tompkins	do	50
	Herbert A. Paul	do	48
	A benevembie & Fitch	Tont bootons oto	96 100
	S D Craig	Binders	18
21	Bausch & Lomb Optical Co.	Magnifiers	10
	Geo. E. Corbet	Photo supplies	22
23	Chicago, Rock Island and Pacific R. R. Co.	Passenger transportation	30
24	Chas Becker	Oil Cravening expenses	68
28	Abercrombie & Fitch.  S. D. Craig Bausch & Lomb Optical Co. Geo. E. Corbet Chicago, Rock Island and Pacific R. R. Co. C. O. Sparks Chas Becker Jas. B. Jones do Henry Grinnell Filibert Roth	Service	41
	do	Traveling expenses	79
	Henry Grinnell	do	125
30	Geo R Sudworth et al	Salarias	105
v 1	Everett E. Adams	Services	24
	W. C. Blasdale	do	5. 622 24 24
	Wallace W. Everett	do	24 24 24
	Willis I. Jonson	do	24
	Royal S. Kellogg	do	9.1
	Burton E. Livingston	do	24
	Louis H. Pammel	do	24 24 7
	Harry D. Tiemann	do	7
	Henry Grinnell Filibert Roth Geo. B. Sudworth et al Everett E. Adams W. C. Blasdale Wallace W. Everett Clifton E. Howe Willis L. Jepson Royal S. Kellogg Burton E. Livingston Louis H. Pammel Harry D. Tiemann J. Fred. Baker Zina L. Bliss Saml. B. Detwiler W. B. Howard J. B. Jones	do	39 39
	Saml. B. Detwiler	do	39 39
	W.B. Howard	do	39.
	J. B. Jones	do	39.
	David G. Kinney	do	39.
	J. B. Jones. David G. Kinney. John M. Keeler, jr Wm. H. Mast.	do	39. 39.
	Ferris R. Miller Herbert A. Paul	do	39. 39.
	TT 7	3.	39.

Date.	Name.	Nature of payment.	Total.
1903.	C. O. Sparks Frank Thompkins J. P. Wentling S. P. Woolfolk Harry E. Burke Geo. Griswold Jno. C. Hatton Frank Klarpp Chas. A. Scott Jacob Yatter Jno. W. Riggs Theo. P. Lukens Harrold B. Kempton Reynolds Hill Hugh M. Curran Raymond E. Benedict Wm. C. Hodge, jr Edwin M. Hamilton Roy M. Marston H. K. Porter Ernest A. Sterling Edw. T. Allen Thos. M. Sherrard Eugene S. Bruce Loren E. Hunt G. Alleman Phillip W. Ayers Ewd. A. Braniff Hugh P. Baker Henry Grinnell Chas. H. Herty M. C. Jensen W. O. Langille Albert F. Potter Smith Riley H. J. Tompkins C. C. Wright Jas. B. Jones M. C. Jensen Z. D. Gilman W. J. Moses & Sons Wm. T. Cox Loren T. Hunt Chas. A. Scott Ledw. M. Hamilton		*00
May 1	C. O. Sparks	Services	\$39. 39.
	J P Wentling	do	59. 39.
	S. P. Woolfolk	do	39. 49. 49. 49.
	Harry E. Burke	do	49.
	Geo. Griswold	do	49.
	Jno. C. Hatton	do	49. 49.
	Chas. A. Scott	do	49.
	Jacob Yatter	do	59.
	Jno. W. Riggs.	do	59.
	Theo. P. Lukens	do	59.
	Reynolds Hill	do	59. 59.
	Hugh M. Curran	do	59.
	Raymond E. Benedict	do	59.
	Wm. C. Hodge, jr	do	82. 82.
	Roy M Marston	do	82. 52.
	H. K. Porter	dodo	82
	Ernest A. Sterling	do	82. 82. 148.
	Edw. T. Allen	do	148
	Thos. M. Sherrard	do	148 164
	Loren E. Hunt	do	164
	G. Alleman	do	60
	Phillip W. Ayers	do	12 75 42 98
	Ewd. A. Braniff	do	75
	Hugh P. Baker Henry Grinnell	do	42 98
	Chas. H. Herty	do	185
	M. C. Jensen	do	50 158
	W. O. Langille	do	158
	Albert F. Potter	do	123
	H J Tompkins	do	74 115
	C. C. Wright	Purchase of buildings	1,525
	Jas. B. Jones	Traveling expenses	108
9	M.C. Jensen	Dh-to graphics	115 1,525 108 60 17 16
2	W R Mosse & Sone	Chaire	16
5	Wm. T. Cox	Traveling expenses	94
	Chas. A. Scott Edw. M. Hamilton	do	53. 70. 59.
	Chas. A. Scott	do	70.
	Herbert A Smith	Services	35
	A. V. Stubenrauch	do	24
	Hartley B. Holroyd	do	35. 24. 12. 71.
7	Wm. H. B. Kent	do	71 21
8	Edw. M. Hamilton Herbert A. Smith A. V. Stubenrauch Hartley B. Holroyd Wm. H. B. Kent. Wm. T. Hubbard J. D. Frazee do Woodward & Lothrop Jas. N. Rupp	Laundering towels	1
0	do	dodo	3
	Woodward & Lothrop	Desk Ink well, etc	54
	Jas. N. Rupp	Ink well, etc	21 21
	Woodward & Lochrop Jas. N. Rupp Rudolph, West & Co Mackall Bros. The J. C. Ergood Co W. B. Moses & Sons Lamb & Tilden D. Richenbacher Corl Pattarson	Screws, etc	29
	The J. C. Ergood Co	Starch	1
	W. B. Moses & Sons	Starch Chairs, etc	36 6 17
	Lamb & Tilden	Racks Clocks	6
	D. Richenbacher	Clocks	17.
	Carl Peterson Rufus B. Merchant	Route maps.	19 45
	F. E. Nichols	Retorts	45
	Fred. A. Schmidt	Muslin, etc.	24 262 45
	American Writing Machine Co	Stationery, etc	262
	Blue Line Transfer Co	Transportation	40.
	E. J. Pullman	Lens, etc	55.
	Rufus B. Merchant F. E. Nichols Fred. A. Schmidt American Writing Machine Co George F. Muth & Co Blue Line Transfer Co E. J. Pullman United States Express Co Postal Telegraph Cable Co W. K. Hatt Jno. Foley F. E. Olmsted Overton W. Price Henry Grinnell F. & J. K. Bishop Art Co R. T. Fisher Saml. B. Detwiler Wm. T. Cox Gilbert Alleman	Transportation	
9	Postal Telegraph Cable Co	Services	10.
9	Jno. Foley	do	107
	F. E. Olmsted	do	20.
	Overton W. Price	do	13. 10. 34. 107. 20. 7. 189.
11	Henry Grinnell	Dhoto motoviola	189.
12	R T Fisher	Traveling experses	62. 94.
TW	Saml, B. Detwiler	dodo	24.
	Wm. T. Cox	do	52.
	Gilbert Alleman	do	86.

# Expenditures of Department of Agriculture for year ending June 30, 1903—Cont'd. FORESTRY INVESTIGATIONS—Continued.

Wm. B. Howard	ate.	Name.	Nature of payment.	Tota
W. W. Parsons   Lumber   Thos Balfour   Services   Services   Thos Balfour   Wm. R. Lazenby   do   do   do   do   do   do   do   d	903.			
W. W. Parsons   Lumber   Thos Balfour   Services   Services   Thos Balfour   Wm. R. Lazenby   do   do   do   do   do   do   do   d	y 12	Wm. B. Howard	Traveling expenses	\$54
W. W. Parsons   Lumber   Thos Balfour   Services   Services   Thos Balfour   Wm. R. Lazenby   do   do   do   do   do   do   do   d		Wm. H. Mast	do	14
W. W. Parsons   Lumber   Thos Balfour   Services   Services   Thos Balfour   Wm. R. Lazenby   do   do   do   do   do   do   do   d		Chas. A. Scott	do	256
W. W. Parsons   Lumber   Thos Balfour   Services   Services   Thos Balfour   Wm. R. Lazenby   do   do   do   do   do   do   do   d		E. A. Branin	do	40
W. W. Parsons   Lumber   Thos Balfour   Services   Services   Thos Balfour   Wm. R. Lazenby   do   do   do   do   do   do   do   d		Farris R. Willor	do	47
W. W. Parsons   Lumber   Thos Balfour   Services   Services   Thos Balfour   Wm. R. Lazenby   do   do   do   do   do   do   do   d		Hugh P. Baker	do	67
W. W. Parsons   Lumber   Thos Balfour   Services   Services   Thos Balfour   Wm. R. Lazenby   do   do   do   do   do   do   do   d		H. B. Holroyd	do	18
W. W. Parsons   Lumber   Thos Balfour   Services   Services   Thos Balfour   Wm. R. Lazenby   do   do   do   do   do   do   do   d		Jacob Yatter	do	65
W. W. Parsons   Lumber   Thos Balfour   Services   Services   Thos Balfour   Wm. R. Lazenby   do   do   do   do   do   do   do   d		Henry S. Graves	do	15 63 34
J. M. Helms Sohne   Seed, etc		do	do	81
J. M. Helms Sohne   Seed, etc		W. W. Parsons	Lumber	80 48
J. M. Helms Sohne   Seed, etc		The Polfour	Conviged	40
J. M. Helms Sohne   Seed, etc   Henry J. Green   Thermometer		Wm R Lazanhy	do	24
J. M. Helms Sohne   Seed, etc	13	Edw W Sawyer	do	5
J. M. Helms Sohne   Seed, etc	10	Jno. M. Keeler, ir	Traveling expenses	38
J. M. Helms Sohne   Seed, etc		Z. L. Bliss	do	58
J. M. Helms Sohne   Seed, etc		Alfred Gaskill	do	58 149
J. M. Helms Sohne   Seed, etc		John C. Parker	Office supplies	69
J. M. Helms Sohne   Seed, etc		Rufus B. Merchant	Route maps	38
Pearre E. Crowl Co	15	Galord Bros	Paper	1
Pearre E. Crowl Co		J. M. Helms Sonne	Seed, etc	1
The Burnett Co		Pearre E Crowl Co	Pubbor	55
Library Bureau		The Burnett Co	Copper wire	6
R. L. Marston		Library Bureau	Case, etc	124
R. L. Marston		Jas. N. Rupp	Cravon	124 17
R. L. Marston		H. von Schrenk	Traveling expenses	123
R. L. Marston		Herbert A. Paul	do	70
R. L. Marston	70	C.O. Sparks	do	68
R. L. Marston	16	C. D. Mell	do	16
G. Fred. Schwarz		W.F.FISKE	00	81
G. Fred. Schwarz		Inch Vattor	do	66 60
G. Fred. Schwarz		Edw M Hamilton	do	30
G. Fred. Schwarz		Wyckoff, Seamans & Benedict	Typewriters etc	30
G. Fred. Schwarz		Capital Traction Co.	Cartickets	10
G. Fred. Schwarz		Barber & Ross	Hardware	
Houghton & Delano   Photo supplies   3   3   2   3   3   3   3   3   3   3	18	Reynolds Hill	Traveling expenses	15
Houghton & Delano   Photo supplies   3   3   2   3   3   3   3   3   3   3		G. Fred. Schwarz	do	27
Houghton & Delano   Photo supplies   3   3   2   3   3   3   3   3   3   3	40	The Fairbanks Co	Scale	6
Houghton & Delano   Photo supplies   3   3   2   3   3   3   3   3   3   3		W.A.Langille	Traveling expenses	111
Houghton & Delano   Photo supplies   3   3   2   3   3   3   3   3   3   3	20	Chas H Horty	do	32
Amberg File and Index Co Yawman & Erbe Manufacturing Co Cases.  Cabinets Cuttings. Clattanooga Pottery Co Wm. W. Tuckey Cotton Lansburgh Bros Binding B. P. Andrews & Co. (Incorporated) Lawyer & Wagner Co Lutz & Co Lutz & Co Lutz & Co Lamb & Tilden Wyckoff, Seamans & Benedict H. A. Farnham J. Baumgarten & Son The Maurice Joyce Engraving Co Densmore Typewriter Co W. H. Childs F. & J. K. Bishop Art Co Lore E. Hunt Leyenses Lyw. Riggs Smith Riley Coert Du Bois Cathers Cases Lypewriter Lypewriter Blue prints Numbering machine Die Cases Lypewriter Co Repairs Cotton Cases Lypewriter Co Repairs Cotton Cases Lypewriter Co Cases Lypewriter Cases Lypewriter Cases Cases Lypewriter Cases Cases Cases Lypewriter Cases C		Houghton & Delano	Photo supplies	38,
Amberg File and Index Co Yawman & Erbe Manufacturing Co Cases.  Cabinets Cuttings. Clattanooga Pottery Co Wm. W. Tuckey Cotton Lansburgh Bros Binding B. P. Andrews & Co. (Incorporated) Lawyer & Wagner Co Lutz & Co Lutz & Co Lutz & Co Lamb & Tilden Wyckoff, Seamans & Benedict H. A. Farnham J. Baumgarten & Son The Maurice Joyce Engraving Co Densmore Typewriter Co W. H. Childs F. & J. K. Bishop Art Co Lore E. Hunt Leyenses Lyw. Riggs Smith Riley Coert Du Bois Cathers Cases Lypewriter Lypewriter Blue prints Numbering machine Die Cases Lypewriter Co Repairs Cotton Cases Lypewriter Co Repairs Cotton Cases Lypewriter Co Cases Lypewriter Cases Lypewriter Cases Cases Lypewriter Cases Cases Cases Lypewriter Cases C		D. Frank Parker	Stationery	88
Yawman & Erbe Manufacturing Co         Cabinets           Jno. Pitzmyer jr         Cuttings           Chattanooga Pottery Co         Clay pots         1           Wm. W. Tuckey         Cotton         1           Lansburgh Bros         Binding         8           R. P. Andrews & Co. (Incorporated)         Sheet holders           Lawyer & Wagner Co         Photo supplies           Lutz & Co.         Cases           Lamb & Tilden         Ink pads, etc           Wyckoff, Seamans & Benedict         Typewriter           H. A. Farnham         Blue prints           J. Baumgarten & Son         Numbering machine           The Maurice Joyce Engraving Co         Die           Densmore Typewriter Co         Repairs           W. H. Childs         Photo supplies           F. & J. K. Bishop Art Co         do           Loren E. Hunt         Expenses           J. W. Riggs         Traveling expenses           Smith Riley         do           Coert Du Bois         do	21	Moore Bros	Typewriters	109
Yawman & Erbe Manufacturing Co         Cabinets           Jno. Pitzmyer jr         Cuttings           Chattanooga Pottery Co         Clay pots         1           Wm. W. Tuckey         Cotton         1           Lansburgh Bros         Binding         8           R. P. Andrews & Co. (Incorporated)         Sheet holders           Lawyer & Wagner Co         Photo supplies           Lutz & Co.         Cases           Lamb & Tilden         Ink pads, etc           Wyckoff, Seamans & Benedict         Typewriter           H. A. Farnham         Blue prints           J. Baumgarten & Son         Numbering machine           The Maurice Joyce Engraving Co         Die           Densmore Typewriter Co         Repairs           W. H. Childs         Photo supplies           F. & J. K. Bishop Art Co         do           Loren E. Hunt         Expenses           J. W. Riggs         Traveling expenses           Smith Riley         do           Coert Du Bois         do		Amberg File and Index Co	Cases	12
R. P. Andrews & Co. (Incorporated)   Sheet holders.		Yawman & Erbe Manufacturing Co	Cabinets	78
R. P. Andrews & Co. (Incorporated)   Sheet holders.		Jno. Pitzmyer jr	Cuttings	4
R. P. Andrews & Co. (Incorporated)   Sheet holders.		Chattanooga Pottery Co	Clay pots	133
R. P. Andrews & Co. (Incorporated)   Sheet holders.		Wm. W. Tuckey	Cotton	11
Lamb & Tilden		P. P. Androws & Co. (Incompared)	Shoot holdows	9
Lamb & Tilden		Lawyer & Wagner Co	Photo supplies	20 57
Lamb & Tilden		Lutz & Co	Cases	36
Densmore Typewriter Co		Lamb & Tilden	Ink pads, etc	10
Densmore Typewriter Co		Wyckoff, Seamans & Benedict.	Typewriter	92
Densmore Typewriter Co		H.A. Farnham	Blue prints	92 8 16
Densmore Typewriter Co		J. Baumgarten & Son	Numbering machine	16
Coert Du Bois do		The Maurice Joyce Engraving Co	Die	6
Coert Du Bois do		Densmore Typewriter Co	Repairs	12
Coert Du Bois do		W. H. Childs	Photo supplies	12
Coert Du Bois do		Loven E. Hunt	Evnances	20
Coert Du Bois do	99	J W Riggs	Traveling avnonces	56 79
Coert Du Bois do	1010	Smith Riley	do	25
Titus G. Phillips   do   2		Coert Du Bois	do	21
Gellert Alleman   do   H. E. Burke   do   do   T. P. Lukens   do   wm. T. Cox   Services   Services   Cox   Services   Cox		Titus G. Phillips	do	248
H. E. Burke do T. P. Lukens do Wm. T. Cox Services E. A. Sterling Traveling expensesdo do 25 Frank Tompkins do Log P. Logo do		Gellert Alleman	do	248 93
T. P. Lukens		H. E. Burke	do	49
Wm. T. Cox   Services		T.P.Lukens	do	78
25 E.A. Stering Traveling expenses do	00	Wm. T. Cox	Services.	39
25 Frank Tompkins do	23	E. A. Sterling	Traveling expenses	59
60 Frank Tompkins do do do do	O.	Enonly Monarhina	do	82
Too D. Tongo		Frank Tompkins	ao	82 98
	140	do -		

ate.	Name.	Nature of payment.	То
903.	Y		
y 25	H. von Schrenk	Expenses	8
	H. von Schrenk Geo. E. Corbett	Expenses Plate glass	\$
26	C. H. Herty H. J. Tomkins Thos. H. Sherrard	Traveling expenses	
	H. J. Tomkins	do	
	Thos. H. Sherrard	Filter Photos	
	Dulin & Martin	Photos	
	E. J. Davison Chicago Lumber Co., of Omaha Robert V. R. Reynolds E. Morrison Paper Co.	Lumber	
27	Robert V R Reynolds	Traveling expenses	
29	E. Morrison Paper Co	Leaf holders	
	E.J. Pullman	Traveling expenses Leaf holders Lantern slides Photo supplies	
	E. J. Pullman F. & J. K. Bishop	Photo supplies.	
	Schmidtie Bros. Geo. B. Sudworth et al Philip W. Ayers. Everett E. Adams.	Clock	6,
31	Geo. B. Sudworth et al	Salaries	6,
ne 2	Philip W. Ayers	Services	
	Everett E. Adams	do	
	Thos. Balfour	do	
	W. C. Blasdale	do	
	Everett E. Adams Thos. Balfour W. C. Blasdale W. W. Everett Clifton D. Howe Hartley B. Holroyd Willis L. Jepson Royal S. Kellogg B. E. Livingston Louis H. Pammel A. V. Stubenrauch J. Fred. Baker Zina L. Bliss	do	
	Unition D. Howe	do	
	Willia C. Longon	00	
	Povel S. Kellove	do	
	R E Livingston	do	
	Louis H Pammal	do	
	A V Stubengauch	do	
	J. Fred. Baker	do	
	Zina L. Bliss	do	
	Wm. T. Cox	do	
	Saml. B. Detwiler	do	
	Wm. B. Howard	do	
	David G. Kinney	do	
	Clayton D. Mell	do	
	Wm. H. Mast	do	
	Herbert A. Paul	do	
	Titus G. Phillipps	do	
	R. V. R. Reynolds	do	
	C.O. Sparks	do	
	C E Tompkins	00 	
	T. P. Wontling	do	
	S P Woolfolk	do	
	Harry E. Burk	do :	
	Geo. Griswold	do	
	Frank Klarpp	do	
	Chas. A. Scott	do	
	Raymond E. Benedict	do	
	Reynolds Hill	do	
	Harrold B. Kempton	do	
	Theo. P. Lukens	do	
	Jno. W. Riggs	do	
	Kollin G. Giffin	do	
	W. H. B. Kent	do	
	A. V. Stubenrauch J. Fred. Baker Zina L. Bliss Wm. T. Cox Saml. B. Detwiler Wm. B. Howard David G. Kinney Clayton D. Mell Wm. H. Mast Herbert A. Paul Titus G. Phillipps R. V. R. Reynolds C. O. Sparks Frank Tompkins G. E. Tower J. P. Wentling S. P. Woolfolk Harry E. Burk Geo. Griswold Frank Klarpp Chas. A. Scott Raymond E. Benedict Reynolds Hill Harrold B. Kempton Theo. P. Lukens Jno. W. Riggs Rollin G. Giffin W. H. B. Kent Smith Riley Alfred K. Chittenden Coert Du Bois Wm. C. Hodge, jr Edwin N. Hamilton Roy L. Marston H. K. Porter H. D. Langille Loren E. Hunt	do	
	Coort Du Rois	do	
	Wm C Hodge ir	do	
	Edwin N Hamilton	do	
	Roy L. Marston	do	
	H. K. Porter	-do	
	H. D. Langille	do .	-
	Loren E. Hunt	do	-
	Eugene S. Bruce	do	-
	Edw. T. Allen	do	
	W. A. Langille	do	
	Thos. H. Sherrard	do	
	M. C. Jensen	do	
	G. Alleman	do	
	Ed. A. Braniff	do	
	Henry Grinnell	do	]
	H.J.Tomkins	do	-
0	H. K. Porter H. D. Langille Loren E. Hunt Eugene S. Bruce Edw. T. Allen W. A. Langille Thos. H. Sherrard M. C. Jensen G. Alleman Ed. A. Braniff Henry Grinnell H. J. Tomkins Albert F. Potter Jno. H. Hatton H. O. Stabler Titus G. Phillips	mlin n amana	j
3	JIIO. H. HAUTON	Traveling expenses	
	H. U. Stabler	d0	
	H. O. Stabler Titus G. Phillips. H. K. Porter Eugene S. Bruce The Pullman Co. The Chesapeake and Ohio Rwy. Co.	do	
	H. A. COFTEF	do	1

ate.	Name.	Nature of payment.	Tot
903.	,		
ne 3	New York Central and Hudson River R. R. Co.	Passenger transportation	\$
	Washington Southern Rwy. Co New York, New Haven and Hartford R. R.		
	Co. Georgia Southern and Florida Rwy. Co Geulf, Colorado and Santa Fe Rwy. Co Fort Worth and Denver City Rwy. Co Chicago and Alton Rwy. Co Norfolk and Western Rwy. Co St. Louis Southwestern Rwy. Co Southern California Rwy. Co Norfolk and Washington Steamboat Co Delaware, Lackawanna and Western R. R.	do	
	Gulf, Colorado and Santa Fe Rwy. Co	do	
	Chicago and Alton Rwy. Co	do	
	Norfolk and Western Rwy. Co	do	
	St. Louis Southwestern Rwy, Co.	do	
	Norfolk and Washington Steamboat Co	do	
	Delaware, Lackawanna and Western R. R. Co. The Southern Kansas R. R. of Texas Baltimore and Ohio R. R. Co. Atlantic Coast Line R. R. Co. Pennsylvania R. R. Co. Seaboard Air Line R. R. Co. do Union Pacific R. R. Co. Michigan Central R. R. Co. Chicago, Rock Island and Pacific R. R. Co. Southern Rwy. Co. do. Harry D. Tiemann Geo. L. Clothier Wesley J. Gardner	do	
	Baltimore and Ohio R. R. Co.	do	i
	Atlantic Coast Line R. R. Co	do	
	Pennsylvania R. R. Co.	do	
	do	do	
	Union Pacific R. R. Co	do	
	Chicago, Rock Island and Pacific R. R. Co	do	
	Southern Rwy. Co	do	
4	Harry D Tiemann	Sarvicas	
4,	Geo. L. Clothier	do	
	Wesley J. Gardner	do	
	Herbert A. Smith	do	
5	Keuffel & Esser Co	Mirrors	:
	Lanz Manufacturing Co	Canteen	
	W. K. Halt	Traveling expenses	
6	Wesley J. Gardner J. B. Jones Herbert A. Smith Keuffel & Esser Co Lanz Manufacturing Co Thos. C. Coleman W. K. Halt O. W. Price Henry Grinnell	do	
9	Geo. B. Sudworth	do	1
	Geo. B. Sudworth Chas. H. Herty Wm. H. Dyer	do	
	Wm. H. Dyer The Chesapeake and Potomac Telephone	Service	
	Co.	1	
10	Chas. R. Edmonston	Cuspidors	
11	Z.D. Gilman Alfred K. Chittenden David G. Kinney R. E. Benedict	Traveling expenses	1
	David G. Kinney	do	
			,
	Edw. M. Hamilton	do	20
12	Edw. M. Hamilton Woodward & Lothrop Rudolph, West & Co	Towels, etc	2
	Rudolph, West & Co Hugh Reilly	Glass.	
	Delana & Magna	do	96
	R. G. Giffin	Traveling expenses	
	H. J. Tompkins	do	15
13	Rudolph, West & Co Hugh Reilly  do Delano & Moore R. G. Giffin H. J. Tompkins M. C. Jensen Smith Riley Thos. H. Sherrard Harry L. Hill Saml. B. Detwiler Wm. F. Hubbard	do	10
	Thos. H. Sherrard	do	
	Harry L. Hill	do	
	Wm. F. Hubbard	do	
15	Z. L. Bliss	do	14
19	Frank Tompkins	-do	1
	Frank A. Clarke	Services	
16	Wm. W. Tuckey	Partitions	-
17	Saml, B.Detwiler Wm. F. Hubbard Z. L. Bliss Edw. T. Allen Frank Tompkins Frank A. Clarke Wm. R. Lazenby Wm. W. Tuckey G. E. Tower United States Envelope Co Wolf Bros Keuffel & Esser Co Library Bureau	Traveling expenses	9
	United States Envelope Co	Envelopes	12
	Keuffel & Esser Co	Mirrors, etc.	
	Library Bureau	Bookcases, etc	2
	Library Bureau Yawman & Erbe Manufacturing Co Whitall, Tatum Co Albert F. Potter	Photo supplies	2
18	Albert F. Potter	Photo supplies Traveling expenses	10
	C.O.Sparks W.H.B. Kent H. von Schrenk J.P. Wentling	do	11 10 10
		uo	10

ate.	Name.	Nature of payment.	Total.
903.	•		
ne 18	Wm. B. Howard	Traveling expenses	\$85.
	Wm. B. Howard Jno. H. Hatton Frank A. Clarke R. V. R. Reynolds C. A. McCue Wm. L. Hall Herbert A. Smith Jno. Foley C. S. Mell	do	70.
	Frank A. Clarke	do	61. 49.
	R. V. R. Reynolds	do	49. 35.
	Wm. L. Hall	do	23.
	Herbert A. Smith	do	23. 15.
	Jno. Foley	do	9.
	C. S. Mell	do	5.
	H.D. Langille E.A. Braniff	do	119. 64.
	A D Honking	do	175.
19	Chas A Scott Rufus B Merchant The Okonite Co. (Limited) Harrison Manufacturing Co	do	330.
	Rufus B. Merchant	Maps	4
20	The Okonite Co. (Limited)	Wire	2.
	Harrison Manufacturing Co	Water still	5,
	Geo. S. Witham. Warren & Bass. Abererombie & Fitch. J. W. Stebbins Felt & Tarrent Manufacturing Co.	Axes Wagon	38. 79.
	Abercrombie & Fitch	Tents	69.
	J. W. Stebbins	Picket fence	483.
	Felt & Tarrent Manufacturing Co	Comptometers Rubber bands, etc	375.
	Epernard raper	Rupper bands, etc	24 31.
	Fred, Thornton	Services	56.
	G. W. Apple W. W. Parsons Jno. M. Smyth & Co. Fred Murphy	Wire Lumber	26.
	Jno. M. Smyth & Co.	Desk	29.
	Fred Murphy	Desk Services	30.
00	Ira M. Bovee F. & J. K. Bishop	Photo supplies	32.
22	F. & J. K. Bishop	Photo supplies	14.
	Wm. N. Smith Geo. E. Corbett Wm. Walter	Wood tests	9. 20.
	Wm. Walter		30
	Wm. H. Dver	Lumber Photo supplies Traveling supplies	18
	Houghton & Delano.	Photo supplies	239
	T. P. Lukens	Traveling supplies	82
	H. K. Porter	Traveling expenses	59 80
	Coert Du Rois	do	120
	Loren E. Hunt	dodo	120 127
	Wm. H. Dyer Wm. H. Dyer Houghton & Delano. T. P. Lukens H. K. Porter Wm. T. Cox Coert Du Bois Loren E. Hunt H. von Schrenk W. A. Langilla	do	175
	W. A. Langille Reynolds Hill Western Union Telegraph Co	do	201
23	Reynolds Hill	Convice	269 116
25	Richard Gasch	Kove	2110
	Richard Gasch Bausch & Lomb Optical Co. Eastman Kodak Co W. & L. E. Gurley Chas, E. Becker	Keys Dissecting sets, etc Photo supplies Surveyors' transits Lead	2 44
	Eastman Kodak Co	Photo supplies	19
	W. & L. E. Gurley	Surveyors' transits	295
	Chas. E. Becker	Lead	$\frac{1}{7}$
	District of Columbia Paper Co Mackall Bros	Paper Photo supplies Repairing clock Chairs	98
		Repairing clock	1
	W. B. Moses & Sons.	Chairs	34
	M.du Perow	Desk fans	204
	W. B. Moses & Sons. M. du Perow United States Express Co. Southerland & Carr	Desk fans Transportation Braces and chains	3 13
	W E Stockett	Stationery	16
	Southerland & Carr W. E. Stockett The J. C. Ergood Co National Electric Supply Co Fred. A. Schmidt Wm. W. Tuckey Herbert A. Paul The Chespeck and Obje Pays Co	Stationery Lye	
	National Electric Supply Co-	Lye Shade holders Drawing materials Work on partitions Traveling expenses Passenger transportation	80 23
	Fred. A. Schmidt	Drawing materials	80
	Wm. W. Tuckey	Work on partitions	23 78
24	The Chesapeake and Ohio Rwy. Co	Passanger transportation	88
42	Chicago and Alton Rwy Co	do	7
	Chicago and Alton Rwy. Co	do	7 8
	and Steamship Co. New York, New Haven and Hartford R. R.		22
	New York, New Haven and Hartford R. R.	do	22
	Co.	do .	4
	Central Vermont Rwy. Co	do	10
	Rwy. Co.		
	Rwy. Co. Wm. P. Clyde & Co. Grand Trunk R. R. Co. Delaware, Lackawanna and Western R. R.	do	. 8
	Grand Trunk R. R. Co.	do	25
	Delaware, Lackawanna and Western R. R.	do	21
	New York Central and Hudson River R. R.	do	34
	Co		9
	Dayton and Union R. R. Co Pere Marquette R. R. Co Grand Rapids and Indianapolis Rwy. Co Atlantic Coast Line R. R. Co	do	18

# Expenditures of Department of Agriculture for year ending June 30, 1903—Cont'd. FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total
1903.	The Wabash R. R. Co. Washington Southern Rwy. Co. International Merchants' Marine Co. Southern Rwy. Co. Seaboard Air Line Rwy. Co. do. Baltimore and Ohio R. R. Co. Pacific Coast Steamship Co. Rutland R. R. Co. Pennsylvania R. R. Co. Louisville and Nashville R. R. Co. Northern Pacific Rwy. Co Union Pacific R. R. Co. Burlington and Missouri River R. R. Co. Burlington and Missouri River R. R. Co. Chesapeake and Ohio Rwy. Co Darius E. Burton M. C. Jensen H. B. Kempton Ralph S. Housmer Wm. R. Lazenby J. W. Toumey W. K. Halt Titus G. Phillips David G. Kinney Geo. B. Sudworth et al		
une 24	The Wabash R. R. Co	Passenger transportation	\$21 15 157 166
	Washington Southern Rwy. Co	do	15
	International Merchants' Marine Co	do	166
	See heard Air Line Rwy Co	do	45
	do	do	43
	Baltimore and Ohio R. R. Co	do	43 109
	Pacific Coast Steamship Co	do	22 2 261 10
	Rutland R. R. Co.	do	2
	Pennsylvania R. R. Co	do	261
	Louisville and Nashville R. R. Co	00	10
	Union Pacific P. P. Co	do	9 3 2
25	Burlington and Missouri River B. R. Co	Transportation	2
.4.5	Chesapeake and Ohio Rwy, Co	do	
	Darius E. Burton	Hatchets	
	M.C.Jensen	Traveling expenses	
	H. B. Kempton	do	148
	Kalph S. Housmer	do	114
	W.H. K. Lazenby	do	56 21
97	W K Halt	do	61
27 29	Titus G. Phillips	do	9
140	David G. Kinney	do	61 2 143
30	Geo. B. Sudworth et al	Salaries	5,212
	Total fourth quarter		54,080
	Supplemental.		
ly 2	Supplemental.  Filibert Roth Wm. F. Hubbard Wf. F. Fiske do Frank Tompkins Frank G. Miller Philip W. Ayres Everett E. Adams E. E. Bogue Thos. Balfour W. W. Everett Hartley B. Holroid Clifton D. Howe Burton E. Livingston Wm. R. Lazenby L. H. Pammel A. V. Stubenrauch Harry B. Tiemann Zina L. Bliss J. Fred Baker Wm. W. Cheever Wm. T. Cox Saml. B. Detwiler Jas. M. Fetherolf E. R. Hodson Wm. B. Jhoward J. B. David G. Kinney David G. Kinney C. A. McCue Wm. H. Mast	Traveling expenses	89
1y /2	Wm. F. Hubbard	do	4.5
3	W.F.Fiske	do	80
	do	do	80 68
	Frank Tompkins	do	204 11 24 24
	Frank G. Miller	Services	11
6	Philip W. Ayres	do	24
	Everett E. Adams	00	24
	The Balfour	do	24 24 24
	W W Everett	do	2.1
	Hartley B. Holroid	do	24
	Clifton D. Howe	do	24 24 24 24 24
	Burton E. Livingston	do	24
	Wm. R. Lazenby	do	24
	A. V. Stubenweigh	do	24 24
	Harry R Tiomann	do	24
	Zina L. Bliss	do	39
	J. Fred Baker	do	39
	Wm. W. Cheever	do	36
	Wm. T. Cox	do	38
	Sami. B. Detwiler	do	36
	Jas. M. Fetherolf	do	36
	Wm R Howard	do	36
	J. B. Jones	do	
	David G. Kinney	do	36
	C. A. McCue	do	36
	Wm. H. Mast	do	36
	Titus G. Phillips.	do	38
	Herbert A. Paul	do	39
	Howhout O Stobles	do	39
	C.O. Sparks	do	39
	E. R. Secrest	do	39
	G.E. Tower	do	36
	Frank Tompkins	do	39
	J. P. Wentling	do	39
	S. P. Woolfolk	do	39 49
	Harry E. Burke	do	49
	W.J. Gardner	do	49
	Frank Klarpp	do	49 49
	Chas. A. Scott	do	49
	Raymond E. Benedict	do	59
	J. B. Jones David G. Kinney C. A. McCue Wm. H. Mast Titus G. Phillips. Herbert A. Paul Robt. V. Reynolds Herbert O. Stabler C. O. Sparks. E. R. Secrest G. E. Tower Frank Tompkins J. P. Wentling S. P. Woolfolk Harry E. Burke W. J. Gardner Geo. Griswold Frank Klarpp Chas A. Scott Raymond E. Benedict Anson E. Cohoon Geo. Farley Reynold Hill Royal S. Kellogg	do	59
	Geo. Farley	do	59
			59

# $Expenditures of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30,1903-Cont'd.$

ate.	Name.	Nature of payment.	То
	Supplemental—Continued.		
903.			
y 6	H. B. Kempton	Services	8
	Inc. W. Piggs		
	Frank A Clarka	do	
	Rollin G. Giffin	do	
	W. H. B. Kent	do	
	Smith Riley	do	
	Geo. L. Clothier	do	
	Alfred K. Chittenden	do	
	Coert Du Bois	do	
	Edw. M. Hamilton	do	
	Por I Mareton	do	
	H K Porter	do	
	Edw. T. Allen	do	1
	W. A. Langille	do	1
	F. E. Olmsted	do	1
	Thos. H. Sherrard	do	1 1 1
	Eugene S. Bruce	do	1
	Loren E. Hunt	do	1
	Alfred Algebra	ao	1
	Supplemental—Continued.  H. B. Kempton. Theo. P. Lukens Jno. W. Riggs. Frank A. Clarke Rollin G. Giffin W. H. B. Kent Smith Riley Geo. L. Clothier Alfred K. Chittenden Coert Du Bois Edw. M. Hamilton Wm. C. Hodge, jr Roy L. Marston H. K. Porter Edw. T. Allen W. A. Langille F. E. Olmsted Thos. H. Sherrard Eugene S. Bruce Loren E. Hunt H. S. Langille Alfred Akerman Hugh P. Baker G. Alleman Jno. B. Anderson M. A. Benedict	do	
	G Alleman	do	
	Jno. B. Anderson	do	
	M. A. Benedict	do	
	C.W.Edgerton	do	
	G. Alleman Jno, B. Anderson M. A. Benedict C. W. Edgerton Harrold B. Eastman Henry Grinnell Austin F. Hawes W. I. Hutchinson Jno, H. Hatton	do	
	Henry Grinnell	do	
	Austin F. Hawes	do	
	W.I. Hutchinson		1
	Jno. H. Hatton M. C. Jensen Louis Kraulton	do	1
	Louis Kraulton	do	
	Louis C. Miller A. E. Oman Alfred F. Potter Saml. N. Spring O. T. Swan Blaine S. Viles Theo. S. Woolsey H. H. Tompkins	do	
	A. E. Oman	do	
	Alfred F. Potter	do	1
	Saml. N. Spring	do	
	O. T. Swan	do	
	Blaine S. Viles		
	H I Tompking	do	1
	Robt B Wilson	do	,
	H. J. Tompkins Robt. B. Wilson H. E. Burke T. E. Olmsted Geo. L. Clothier Gilbert Alleman T. P. Lukops	Traveling expenses.	
	T. E. Olmsted	do	
	Geo. L, Clothier	dodo	
	Gilbert Alleman	do	2
	T. P. Lukens	do	-
m	Jas. B. Jones	Dhata anna shi a matanial	1
7 8	Gifford Pinchot	Traveling expenses	1.8
O	Henry Grinnell	do	1,0
9	Theo. F. Borst	Services	1,8 1,8
	Gilbert Alleman T. P. Lukens Jas. B. Jones J. K. Bishop Gifford Pinchot Henry Grinnell Theo. F. Borst Judson T. Clark Herbert A. Smith	do	
	Herbert A. Smith Willis L. Jepson Merchants' Transfer and Storage Co D. Frank Parker	do	
	Willis L. Jepson	do	
11	Merchants' Transfer and Storage Co	Moving furniture	
	D. Frank Parker	Carbon paper	
13	D. Frank Parker Jno. C. Parker Jno. Appleton. M. A. Benedict T. P. Lukins Austin T. Hawes W. C. Hodge, jr Fred. A. Schmidt Fredk, Carl	Carbon paper Copying pens Service Traveling expenses	
19	M A Populate	Tuerding expenses	
	T P Luking	do	
	Austin T. Hawes	do	
	W. C. Hodge, ir	do	1
	Fred. A. Schmidt	Parallel rule	
	Fredk. Carl	Brass	
	Fredk Carl Wyckoff Seamans & Benedict M. G. Copeland Co E. J. Pullman	Paragon ribbons	
	M. G. Copeland Co	Tents	1
	E.J. Pullman	Photographic supplies	1
	Houghton & Delano W. Silas Sheets R. C. M. Burton & Sons	Tents Photographic supplies do do dodo	
	W. Silas Sheets	Armings	
	Clara Strick		
	Clara Stück Lutz & Co	Case	
	dodo	do	
	Geo. E. Corbett	Photographic supplies	
	Saks & Co D. N. Walford.	do	

# $\label{lem:expenditures} Expenditures of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1903-\text{Cont'd.}$

ite.	Name.	Nature of payment.	To
	Supplemental—Continued.		
03.	N	Twine	
7 13 J. H	3. Nawrath P. Turner vett & Sons e American News Co	Tools	
Jev	vett & Sons	Maps	
The	e American News Co	Blotter Tapes Lumber Kodak cases	
Eu	gene Dietzgen Co urch & Stephenson	Tapes	
Chi	urch & Stephenson	Lumber	
14 Dei	arch & Stephenson Becker Ismore Typewriter Co. Kneessis Sons. D. F. Muth. V. Ludy. D. H. Walker & Co. & L. E. Gurley.		
K.	Kneessis Sons	Repairs Cases Photographic supplies Traveling expenses Maps Compass Turpentine Field glasses Brass cylinder, etc Horses Tents	
Ge	o. F. Muth	Photographic supplies	
L.	V. <u>Ludy</u>	Traveling expenses	
15 Ge	o. H. Walker & Co	Maps	
W.	& L. E. Gurley	Tumontino	,
Bai	isch & Lomb Ontical Co	Field glasses	
Wa	3. Purse asch & Lomb Optical Courren & Bass M. Scott	Brass cylinder, etc	
Ed.	.M. Scott	Horses	
Ab	ercrombie & Fitch wman & Erbe Manufacturing Co bert V. R. Reynolds yton D. Mell	Tents	
Ya	wman & Erbe Manufacturing Co	Section case	
Ro	bert V. R. Reynolds	Traveling expenses	
ZI	Rlice	do	
Fra	nk Tompkins	do	
E. 2	A. Braniff	do	
Fei	ris R. Miller	do	
Ha	rold B. Kempton	do	
C. C	). Sparks	do	
Rec	anolde Hill	do	
Gi	E. Tower	do	
L. (	C. Miller	do	
J. F	P. Wentling	do	
H. I	E.Burke	do	
Cha	arles S. Chapman	do	
16 R. C	Parter Rellentung	Stationery	
M.	Du Perow	Electrical supplies	
Bai	bert V. R. Reynolds yton D. Mell Bliss Blier Blier Blier Blier Miller Miller Miller Miller Miller Miller Miller Miller Miller Burke Burke Peer A. Smith Barter Ballantyne Burke Bliss	Hardware	
W.	L. King	Felt	
The	e Chesapeake and Ohio Rwy. Co	Transportation	
Mic	chigan Central R. R. Co	do	
I III	wy Co		
Atl	antic Coast Line R. R. Co	do	
Ch	icago, Rock Island and Pacific Rwy. Co.	do	
Gr	e Lake Shore and Michigan Southern kwy. Co. antic Coast Line R. R. Co cago, Rock Island and Pacific Rwy. Co ath Northern Rwy. Co thern Rwy. Co insylvania R. R. Co do do do do do do do	do	
Sou	thern Rwy. Co.	do	
Per	insylvania R. R. Co	do	
	.do	do	
	do	do	
Ore	egon Short Line R. R. Co	do	
Illi	do do do do do gon Short Line R. R. Co nois Central R. R. Co nver and Rio Grande R. E. Co luth and Iron Range R. R. Co shville, Chattanooga and St. Louis Rwy red Gaskill n. H. Mast rman von Schrenk do in W. Riggs eodore S. Woolsey, jr. E. Bogue bert B. Wilson A. McCue ert F. Potter C. Jensen gh P. Baker win M. Hamilton R. Secrist nes F. Fetherolf lerican Electric Telephone Co N. Bovee d. Thornton leter Shoemaker D. Hopkins J. Tompkins do do do	do	
De	nver and Rio Grande R. R. Co	do	
Du	luth and Iron Range R. R. Co	do	
17 Alf	snville, Unattanooga and St. Louis Rwy.	do	
W	n H Mast	Traveling errorses	
He	rman von Schrenk	do	
	-do	do	
Joh	ın W. Riggs	do	
Th	eodore S. Woolsey, jr	do	
E. J	E. Bogue	do	
Ro	MaCuo	do	
Δ11	nert E Potter	do	
M.	C. Jensen	do	
Hu	gh P. Baker	do	
Ed	win M. Hamilton	do	
Ę. 1	R. Secrist	do	
Jai	nes F. Fetherolf	do	
An	N Boyce	Telephones	
Fre	ed. Thornton	do	
Wa	lter Shoemaker	- do	
18 A.	D. Hopkins	Traveling expenses	
H.,	J. Tompkins	do	
		do	

Date.	Name.	Nature of payment.	Total.
1903.	R. G. Giffin Frank A. Clarke David G. Kinney R. S. Kellogg Raphael G. Zon Wesley J. Gardner Theo. F. Borst Woodward & Lothrop Chadwick Copying Book Co Whitall, Tatum Co Rudoph, West & Co Chas. A. Scott Herbert A. Paul Loren E. Hunt Edward T. Allen F. E. Olmsted H. M. Suter William B. Howard George Griswold G. E. Clement George Farley Eugene S. Bruce Frank Klarpp William W. Cheever J. S. Holmes Leverett Bradley, jr H. K. Porter John H. Hatton Gilbert Alleman W. A. Langille Fred Murphy		
uly 18	R.G.Giffin	Traveling expenses	\$229.
	Frank A. Clarke	do	\$229. 160. 152.
	David G. Kinney	do	152.
	Raphael G. Zon	do	124. 84.
	Wesley J. Gardner	do	16. 46.
20	Theo. F. Borst	do	46.
20	Chadwick Copying Book Co	Letter book	55.
	Whitall, Tatum Co	Condensers	4. 1.
21	Rudoph, West & Co	Pulleys	1.
	Unas. A. Scott	Traveling expenses	277. 69.
	Loren E. Hunt	do	178.
	Edward T. Allen	do	134.
	F. E. Olmsted	do	17. 29.
	William B. Howard	do	43.
	George Griswold	do	69.
	G. E. Clement	do	38. 47.
	Eugene S. Bruce	do	47. 83.
24	Frank Klarpp	:.do	66.
	William W. Cheever	do	39.
	J.S. noimes Leverett Bradley in	do	26. 13.
	H. K. Porter	do	158.
	John H. Hatton	do	127.
	Gilbert Alleman	do	265.
	W. A. Langille Fred Murphy John C. Parker	Services	191. 23. 3.
	John C. Parker	Ink	3.
25	Houghton & Delano	Films	21
	Tinius Olsen & Co	Testing machine	1 088
27	The Kny-Scheerer Co	Ark	204. 1,088. 19.
90	Queen & Co. (Incorporated)	Slide boxes	11.
28	John C. Parker Houghton & Delano E. P. Burton & Co Tinius Olsen & Co The Kny-Scheerer Co Queen & Co. (Incorporated) Colclesser Bros Roy L. Marston Wallace I. Hutchinson John B. Anderson E. J. S. Moore John M. Keeler Filibert Roth	Traveling expenses	180. 212
	Wallace I. Hutchinson	do	212. 29.
	John B. Anderson	do	27. 17. 20.
29	Lohn M Keeler	do	20.
120	Filibert Roth	do	119.
	J.D. Frazee. Washington Gaslight Co. The Chesapeake and Potomac Telephone	Laundry (towels) Gas pipe Telephone service	4.
	Washington Gaslight Co	Gas pipe	18. 26.
	UO.		
	Whitall Tatum Co	Jars Traveling expenses	41.
30	Coert Du Bois Edward A. Braniff	Traveling expenses	165. 95.
	Herbert A. Paul	Services Expenses	196
ug. 4	Barber & Ross	Axes	196. 42. 38.
5	Fred. A. Schmidt	Drawing materials	38. 14.
J	Edward A. Braniff Herbert A. Paul Barber & Ross Fred. A. Schmidt Samuel N. Spring J. Fred. Baker Harold B. Eastman Ralph S. Hosmer	do	80.
	Harold B. Eastman	do	80. 12.
	Ralph S. Hosmer Riehle Bros. Testing Machine Co. Roy L. Marston Samuel B. Detwiler	Testing machines, etc	1 827
10	Roy L. Marston	Traveling expenses	1,827
10	Samuel B. Detwiler	Traveling expensesdo	66
	H.D.Langille	do	157. 39. 57.
12	H. D. Langille C. D. Mell Gifford Pinchot Wm. H. Rupp Co W. H. B. Kent Blaine S. Viles Smith Riley Thos. H. Sherrard E. R. Hodson	Traveling expenses	59. 57
14	Wm. H. Rupp Co	Ink wells	3
	W. H. B. Kent	Traveling expenses	197.
	Smith Riley	do	197. 120. 138.
	Thos. H. Sherrard	do .	48.
	E. R. Hodson	do	31. 274.
15	R. E. Benedict	Conorr over	274.
15	Thos. H. Sherrard E. R. Hodson R. E. Benedict James B. Lambie Co. (Incorporated) Adams Express Co Hugh Reilly Adams Express Co	Transportation	2. 44.
	Hugh Reilly	Turpentine	1.
	Adams Express Co	Transportation	4.
17	do Amberg File and Index Co The Okonite Co. (Limited) Library Bureau	Index Wire	16.
71	The Okonite Co. (Limited)	Wire Case, etc	3. 76.

Date.	Name.	Nature of payment.	Total.
1000	Supplemental—Continued.		
1903. .ug. 17	Queen & Co. (Incorporated) Keuffel & Esser Co. J. W. Stebbins & Co. Woodward & Lothrop H. D. Langille. United States Express Co.	Renairs	\$16.0
.ug. 11	Kenffel & Esser Co.	Steel tapes	(
	J. W. Stebbins & Co	Repairs Steel tapes Fencing	1,441.
18	Woodward & Lothrop	Cases	1,441. 105.0 41. 17. 182.
19	H. D. Langille	Expenses	41.
20	United States Express Co	Transportation	189
25	do James B. Jones Anson E. Cohoon Coert Du Bois Keuffel & Esser Co F. L. Nichols Thomas H. Sherrard L. V. L. Coerte	Traveling expensesdo	106.
26	Anson E, Cohoon	do	106. 69.
	Coert Du Bois	do	27.0 80.0
	Keuffel & Esser Co	do Mirrors Machine Traveling expenses	80.0
27	F. L. Nichols	Machine	200. 191.
21	Thomas H. Sherrard J. N. Le Conte Amberg File and Index Co. C. W. Coggins & Co. Fred. A. Schmidt Yawman & Erbe Manufacturing Co The J. C. Ergood Co. John Appleton. Z. F. Moedy.	Mans	191.
	Amberg File and Index Co.	Cabinet	87.
	C. W. Coggins & Co	Maps Cabinet Safe Pocket tapes Case	4. 87. 242.
	Fred. A. Schmidt	Pocket tapes	30.
	Yawman & Erbe Manufacturing Co	Case	41.
4 0	The J. C. Ergood Co	Polish	85.
pt. 3	7 F Moody	Foor and forego of horses	čo.
9	W F Fiske	Traveling expenses	48, 54.
11	Z. F. Moody W. F. Fiske The Chesapeake and Potomac Telephone	Traveling expenses Keep and forage of horses Traveling expenses Traveling expenses Telephone service	37.
	Co		
	Yawman & Erbe Manufacturing Co Keuffel & Esser Co Wasco Warehouse Milling Co	Section case	75.
	Keunel & Esser Co	Compasses Storage	824. 2.
17	The Chicago Lumber Co	Lumbou	659.
11	Kenffel & Esser Co	Hypsometer	51C.
18	Louisville and Nashville R. R. Co.	Passenger transportation	9.
	Wasco Warenouse Mining Co The Chicago Lumber Co. Keuffel & Esser Co Louisville and Nashville R. R. Co. Maine Central R. R. Co. The Chicago, Burlington and Quincy Rwy.	do	11.
	The Chicago, Burlington and Quincy Rwy.	do	12.
	Co.	a.	OM.
	The Pennsylvania R. R. Co	do	67. 128.
	do	do	6.
	do	do	105.
	The Oregon Railroad and Navigation Co.	do	9. 12.
	do	do	12.
	Postal Telegraph Cable Co.	Telegraph service	*o'
19	Northern Pacific Rwy Co	Passangar transportation	53. 70.
10	Duluth South Shore and Atlantic Rwy Co	do	9.
	Union Pacific R. R. Co.	do	38.
	Baltimore and Ohio R. R. Co	do	368.
	Atlantic Coast Line R. R. Co	do	44.
	The Pullman Co	do	38.
	The Chicago, Burlington and Quincy Rwy. Co. The Pennsylvania R. R. Codo dodo The Oregon Railroad and Navigation Codo Postal Telegraph Cable Co Western Union Telegraph Co. Northern Pacific Rwy. Co Duluth, Sonth Shore and Atlantic Rwy. Co Baltimore and Ohio R. R. Co Baltimore and Ohio R. R. Co Atlantic Coast Line R. R. Co The Pullman Co do Grand Rapids and Indiana Rwy. Co do Seaboard Air Line Rwy The Wabash R. R. Co. The Chesapeake and Ohio Rwy. Co. Burlington and Missouri River R. R. in New York New Hayen and Hartford R. R.	do	38. 30. 20.
	do	do	9.
	Seaboard Air Line Rwy	do	3.
	The Wabash R. R. Co	do	22. 138.
	The Chesapeake and Ohio Rwy. Co	do	138.
	Nobreske and Missouri River R. R. in	do	23.
	Nebraska. New York, New Haven and Hartford R. R.	do	31.
	Co.		01.
	New York Central and Hudson River R. R.	do	45.
	New York Central and Hudson River R. R.	do	34.
	Co.	a. (	0.0
	Chicago and Northwestern Rwy. Co	do	38.
	Erie B. B. Co	do	57. 9.
	Pere Marquette R. R. Co	do	19.
	Co. Chicago and Northwestern Rwy. Codo Erie R. R. Co Pere Marquette R. R. Co Santa Fe, Prescott and Phoenix Rwy. The Atchison, Topeka and Santa Fe Rwy.	do	8. 77.
	The Atchison, Topeka and Santa Fe Rwy.	do	77.
	Co.	do	00
	Rutland R. R. Co	do	93. 3.
	Central Vermont Rwy, Co	do	19
	Georgia Southern and Florida Rwy. Co	do	12. 6.
	do	do	5.
	Central Vermont Rwy. Co	do	3.
	Denver and Rio Grande R. R. Co	do	64. 26.
	Co	do	26.
	Chicago, Milwaukee and St. Paul Rwy. Co.	do	14.
et. 10	Chicago, Milwaukee and St. Paul Rwy. Co. Adams Express Co	do	60.
26, 10			

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903. Oct. 10 12 14 21 29 31 Nov. 13	Supplemental—Continued.  Adams Express Codo Geo. F. Muth Woodruff Manufacturing CoChas. Becker The Chesapeake and Potomac Telephone Co Keuffel & Esser Co. J. F. Moody Postal Telegraph Cable Co New York, New Haven and Hartford R. R. Co. F. H. Sherrard Total	do Ink Cases Lead Telephone service Hypsometer Pasturing horses Telegraph service Passenger transportation Traveling expenses	\$6.35 44.52 2.40 204.00 .70 .30 100.00 1.40 12.43 26.25 82.50
First qua			\$36,471.54

First quarter	_ \$36,471.54
Second quarter	48,762.33
Third quarter	
Fourthquarter	
Supplemental	. 34,821.51
CAP P	. 01,001.01

Total \_\_\_\_\_\_ 211,609.85

#### FORESTRY INVESTIGATIONS—ACCOUNTS SETTLED BY U. S. TREASURY.

. Date.	Name.	Nature of payment.	Total.
1902. Dec. 9	The Kansas and Texas Rwy. Co Northern Pacific Rwy. Co The Atchison, Topeka and Santa Fe Rwy.	_do	\$56.40 25.20 77.90
1903.	Louisville and Nashville R. R. Co D. M. Taylor, Ordnance Department	Saddle, etc	64. 19 25. 76
Jan. 23	Southern Pacific Systemdodo	do	373, 83 82, 00 28, 20
Mar. 10	do The Geo. W. Knox Express Co. Southern Pacific System do The Public Printer	Transportation	107. 40 107. 27 94. 52 77. 00
Apr. 15 May 22 26	The Public Printer do do Blue Line Transfer Co Southern Pacific System	Printing Bulletin No. 38 Printing Bulletins Nos. 36 and 39	2,296,29 1,294,87 2,345,65 1,57
July 1	Northern Pacific Rwy. Co The Public Printer	do do Printing Circular No. 15	17.50 83.35 28.55 71.18 2,081.66
18	do do do	Printing Bulletin No. 41————————————————————————————————————	1,402.98 2,012.79
Aug. 3 26	Southern Pacific System Ordnance Department, U. S. Army	Saddlebagsdo	67, 95 70, 80 107, 40 1, 172, 34
	do do Southern Pacific System Baltimore and Ohio R. R. Co	Printing Bulletin No. 36, etc Printing Bulletins Nos. 24 and 41 Passenger transportation	2, 204. 02 2, 863. 86 91. 25 465. 29
	Pennsylvania R. R. Co  Blue Line Transportation Co  The Public Printer	Transportation Printing Bulletin No. 42	77, 00 10, 48 863, 61
	Chicago, St. Paul, Minneapolis and Omaha Rwy. Co. Southern Pacific Co		118,70 64,60
	Total		20,933.36

# $Expenditures of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1903-{\rm Cont'd}.$ FORESTRY INVESTIGATIONS—RENT.

Date.	Name,	Nature of payment.	Total.
	The Atlantic Building Cododo	Rent, March to June, 1902 Rent, July to September, 1902 do	\$692.17 1,000.00 38.25
1903. Jan. 3	Emmons S. Smith	Rent, October to December, 1902. Rent, November to December, 1902.	1, 328, 35 45, 00
Apr. 1	The Atlantic Building Co.	Rent, January to March, 1903	1,558.40 67.50
July 1	Emmons S. Smith The Atlantic Building Co. Emmons S. Smith	Rent, April to June, 1903	1,818.40 67.50
	Total		6,615.57
1903.	Special agent.		
May 18	J. H. Herty	Treasury warrant	1,000.00

#### FUEL, LIGHTS, AND REPAIRS, WEATHER BUREAU.

_				
190	10			
July		Joshua Carey et al	Pay roll	\$353.19
Aug		John Moran	Repairing closets	13.10
Aug	. 11			4.00
		do	Iron pipe and elbow	
		do	Iron pipe and couplings	9.56
		do	Iron pipe	8.00
		Charles Becker	White lead	28.00
		India Alkali Works	House savogran	30.00
		John Moran	Stable cesspool	19.00
		do	Rubber washers	1.00
	22	Hugh Reilly	Glass	1.88
	31	Thos. R. Fowler	Laying concrete floor.	50,00
	01	Joshua Carev et al	Pay roll	368, 80
		Thos. R. Fowler	Hauling rubbish	8.25
Come		Washington Caslight Co		
Sept		Washington Gaslight Co.	Gas	38.90
	10	Thos. Somerville & Sons.	Bushings and elbows	5.04
		John Moran	Charcoal and hoes	2.25
		Hugh Reilly	Turpentine	10.00
		E. G. Schafer & Co	Iron pipe, etc	48. 27
		The Allegheny Co	Coal	169.85
	13	Chemical Paint Manufacturing Co	Repairing and painting roof	41.60
	15	John Moran	Repairing sewer	15.00
	10	do	Excavating, etc.	33, 25
		do	Iron washers	1.00
		Welsbach Co	Welsbach lamps	9.90
	19			
		Washington Gaslight Co	Gas	38.20
	22	Hugh Reilly	Burned umber in oil	1.50
		Geo. F. Muth & Co	Oil and paint	33.80
	00	J. B. Lambie	Hardware	12.66
	30	Rudolph, West & Co		16.00
		J. E. Turton	Enlarging windows	108.00
		T. R. Fowler	Hauling ashes	8.75
		Joshua Carey et al	Pav roll	357.40
		Total first quarter	-	1,846.15
		a ottal and of dear for annual		1,010.10
Oct.	9	Welsbach Co	Welsbach lamps	6,60
		Thos. Somerville & Sons	Galvanized malleable tees	1.18
		do	Radiator valves	5. 82
		J. T. Walker Sons	Lime	. 75
		John Moran	Wall washer	3.00
		do	Popoliting proton pipos	2.50
			Repairing water pipes	
	10	Church & Stephenson	Lumber	515.50
	13	John Robertson		8.00
	22	John Moran	Sewer trap	10.00
	22	do	Repairing toilet room	13.50
		Thos. Somerville & Sons	Solder	4.80
		do	Altering steam pipe	28, 64
		M. Du Perow	Molding rosettes	5.04
		do	Copper wire, etc.	14.95
		Geo. Meier & Co	Bronze	7.00
			0 7	1.00
		Columbia Vational Sand Duodaina Co.		
		Columbia National Sand Dredging Co		. 10
		Columbia National Sand Dredging Co National Mortar Co.	Cement	. 75 1. 72
	O.F	Columbia National Sand Dredging Co National Mortar Co Louis Hartig	Cement Bariron	1.72 3.80
	25	Columbia National Sand Dredging Co National Mortar Co. Louis Hartig Welsbach Co.	Cement Bar iron Welsbach light	1.72 3.80 6.60
	25 31	Columbia National Sand Dredging Co National Mortar Co Louis Hartig	Cement Bar iron Welsbach light Laving floor	1.72 3.80

# $Expenditures of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30, 1903 - \textbf{Cont'd.}$

## FUEL, LIGHTS, AND REPAIRS, WEATHER BUREAU—Continued.

Date.	Name.	Nature of payment.	Total.
1902.			
Oct. 31	Thos. R. Fowler Joshua Carey et al The Crawford Paving Co	Hauling ashes	\$11.50
	Joshua Carey et al	Pay roll Paving roadway	368, 80 680, 58
Nov. 15	The Crawford Paving Co	Paving roadway	680.5
	Hugh Reilly Barber & Ross Washington Gaslight Co. John Moran	Paints	8.40
17	Washington Caslight Co	Nails.	2. 73 63. 10 1. 50
1.6	John Moren	Gaslight Faucets	95. II
	do	Stove	19.00
	do Church & Stephenson M. Du Perow do	Lumber	3.00
	M. Du Perow	Lumber Electrical material	2.00
	do	do	3.60
	J. B. Lambie Thos. Somerville & Sons. The Allegheny Co. A. C. Rowe	Brackets	1.00
	Thos. Somerville & Sons	Washers Coal	2.8
	The Allegheny Co	Coal	4.20
	A. C. Nowe	Hooks Fire extinguishers	1. 20 36. 0
21	do John Robertson Welsbach Co	Fortilizer	8,0
13.1	Welsbach Co	Fertilizer Welsbach mantles	4.50
30	Thos. R. Fowler Geo. F. Muth & Co	Hanling achoe	10.7
	Geo. F. Muth & Co	Paints, etc	3, 20
		Tapers.	2.90
	The Bunnell Telegraphic and Electrical Co.	Paints, etc Tapers Lamps, etc. Pay roll	9.60
Dag 10	Joshua Carey et al	Payroll	335.30
Dec. 18	Washington Caslight Co	Coal Gas	168.8 64.4
22	Johnson Bros	Wood	12.3
1414	L. Warner	Paint off	3. 50
	M. J. Falvev	Paint off Sandstone slab, etc	20.00
	Joshna Carey et al The Allegheny Co Washington Gaslight Co Johnson Bros L. Warner M. J. Falvey John Moran	Fire brick	6.7
		Stovepipe	. 7.
23	Grafton & Son T. R. Fowler	Repairing building Hauling ashes Pay roll	100.0
	T. R. Fowler	Hauling ashes	11.7
	Joshua Carey et al	Pay roll	318.30
	Total second quarter		3, 324. 79
_ 1903.			40.0
Jan. 9	Grafton & Son Instantaneous Fire Alarm Co	Painting smokestacks	10.00
14	John Moran	Rent of fire-alarm boxes Repairs to tanks	25.0 29.0
14	J. B. Lambie	Keys	3.00
	dodo	Brass wire, etc	9.4
23 31	The Finiside Manufacturing Co	Brass wire, etc	162.00
31	Hugh Reilly Church & Stephenson	Turpentine	5.0
	Church & Stephenson	Lumber	141. 7
	William Divilian	Bar iron Lawn fertilizer	2. 25 50. 0
	w mann Primips T. R. Fowler Joshua Carey et al Geo. F. Muth & Co Chamberlin Metal Weather Strip Co Chas. Becker	Hauling ashes	11.5
	Joshua Carev et al	Pay roll	325. 4
Feb. 12	Geo. F. Muth & Co	Linseed oil, etc	5.0
	Chamberlin Metal Weather Strip Co	Linseed oil, etc Weather strips	5.0 12.0
	Chas. Becker	White lead Repairing tank	28.0
		Repairing tank	6.7
20	do M. Du Perow	Ash cans. Lamps	4. 50 13. 93
20	Hugh Roilly	Glass	3. 1
	Hugh Reilly John Moran	Mar ble slab and placing	23.0
	do	Sewer trap	1.2
21	Chamberlin Metal Weather Strip Co	Sewer trap Weather strips	190.0
	Hugh Reilly Church & Stephenson	Glass Lumber do	4.8 57.0 13.5
	Church & Stephenson	Lumber	57.0
	do	do	13. 5
		Glass	$\frac{3.7}{1.8}$
28	Washington Caslight Co	Snellac	76.2
20	G F With & Co	Hard oil finish etc	20. 3
	Washington Gaslight Co	Gas	75.4
	T. R. Fowler	Hauling ashes	11.5
	Washington Gaslight Co. G.F. Muth & Co. Washington Gaslight Co. T.R. Fowler Joshua Carey et al The Allegheny Co. do. do. do. do.	Pay roll	294. 2
Mar. 9	The Allegheny Co	Coal	12.2
	do	do	345.8
	do	do	28.9 $171.7$
12	do do	Glass	2 6
LZ	Johnson Bros	Wood	2. 6 6. 1
	Welshach Co	Wood	9.0
	The main Mill an	Drop black in oil	1.2
	Thos. Somerville & Sons	Valves with offset	14.70
20	Hugh Reilly Johnson Bros Welsbach Co Francis Miller Thos Somerville & Sons Hugh Reilly Washington Gaslight Co	Drop black in oil	$     \begin{array}{r}       14.70 \\       3.70 \\       58.20     \end{array} $

## $\label{lem:expenditures} Expenditures of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30, 1903-{\rm Cont'd.}$

## FUEL, LIGHTS, AND REPAIRS, WEATHER BUREAU—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Mar. 31	C. B. Lukens T. R. Fowler Joshua Carey et al	Painting flagstaff	\$11.00
	T.R. Fowler	Hauling ashes	12.00
	Joshua Carey et al	Pay roll	325 40
	Total third quarter		2,939.38
pr. 7	The Allegheny Co	Coal	227.57
21	The Allegheny Co. Instantaneous Fire Alarm Co. The Allegheny Co. Washington Gaslight Co.	Rent of fire-alarm boxes	12. 5 7. 2
	The Allegheny Co	Coal	7.2
00	Washington Gaslight Co	Gas	40.2
30	T. R. FOWIER	Pay vell	10. 2 153. 4
Iay 5	Washington Gastight Co T. R. Fowler Joshua Carey et al National Electrical Supply Co John Moran	Hauling ashes Pay roll Key sockets Stovepipe, etc	1.9
Lug o	John Moran	Stovepipe.etc	4.0
	do	Faucet	1.0
	do do G. F. Muth & Co Hugh Reilly Church & Stephenson Johnson Bros James B. Lambie Co Loby Merra	Faucet Repairs in toilet room Kerosene oil	$\frac{2.5}{1.5}$
	Hugh Poilly		1.5
	Church & Stephenson	Coal Shears Sheep shears	3.5
	Johnson Bros	Coal	3.5 207.3 1.2
	James B. Lambie Co	Shears	1.2
12	John Moran National Mortar Co		1.2
	National Mortar Co	Cement Turpentine	1.7
	Hugh Reilly Washington Gaslight Co. Johnson Bros.	Turpentine	15.0
977	Washington Gaslight Co	Gas Coal and wood Hauling ashes Pay roll	44.9 208.8
27 31	Johnson Bros. T. R. Fowler Joshua Carey et al Washington Gaslight Co Johnson Bros Hugh Reilly do John Moran T. R. Fowler Joshua Carey	Hauling ashes	10.0
91	Joshua Carev et al	Pay roll	98.3
une 18	Washington Gaslight Co	Gas	35, 5
30	Johnson Bros	Coal	206.8
	Hugh Reilly	Glassdo WashbowlHauling ashes	1.8
	do	do	1.8
	John Moran	Washbowl	3.0
	Lochus Caray	Pay roll	9. 5 59. 3
	Joshua Carey	Tay 1011	
	Total fourth quarter		1,378.8
	Supplemental.		
uly 9	India Alkali Works	Savogran	12.0
20	John Robinson	Savogran Fertilizer	12 0 1.7
0.1	National Mortar Co	Cement Fire-alarm boxes	1.7
31	Instantaneous Fire Alarm Co	Coblo	12.5
	Washington Gaslight Co	Cable Gas	62.5 41.5
	G F Muth & Co	Jars	41.5 1.0
	Hugh Reilly	Floor wax	2.4
	Thos. R. Fowler	Hauling ashes	12.0 317.7
ept. 15	India Alkali Works John Robinson National Mortar Co Instantaneous Fire Alarm Co National Electrical Supply Co Washington Gaslight Co G. F. Muth & Co Hugh Reilly Thos. R. Fowler Wurdeman & Co	Floor wax Hauling ashes Laying flooring	317.7
	Total		475.5
	1000		110.0
	RECAPITULA		
irst qua	arter		\$1,846.1
econd o	uarter		3, 324. 7
ourth o	marter		2,939.3 1,378.8
upplem	uarter uarter uarter ental		475.5
Tot	tal		9,964.6
	CONTINGENT EXPENSES—V	WEATHER BUREAU.	
Date.	Name.	Nature of payment.	Total.
1902.	•		
ulv 9	W.T.Kirby	Sorrel horse	\$160.0
14	Peter Gray	Sorrel horse Iron cylinder	85.0
16	Postmaster, Washington, D. C.	Postage stamps	304.0
24	Peter Gray Postmaster, Washington, D. C Capital Traction Co- Lutz & Co	Postage stamps Street-car tickets Concord hames Repairing harness	20.0
lug. 11	Lutz & Co	Concord names	90. 0 13. 4
	do do W.S. Jenks		13.6

 $Expendituers of \ Department \ of \ Agriculture for year \ ending \ June \ 30, 1903-{\tt Cont'd.}$ 

#### CONTINGENT EXPENSES—WEATHER BUREAU—Continued.

Date.	Name.	Nature of payment.	Total.
1902.			
ug. 11	J. E. Shaw	Fish tire, etc.	\$3.
	Hugh Reilly W. G. Duckett J. R. Galloway dododo		6.
	W.G. Duckett	Call cure Casing for ceiling Ceiling fans Elbows for coolers Repairing fans Copper pan Plates, etc Horsesboss	3. 1.
	do	Ceiling for ceiling	80.
	John Moran M. Du Perow	Elbows for coolers	5.
	M. Du Perow	Repairing fans	5.
14	John Moran	Copper pan	3.
	John Moran Houghton & Delano Rudolph, West & Co W. B. Moses & Sons	Houseshoes	1. 3.
	W R Moses & Sons	Horseshoes Desk, double	34.
	(10)	Typewriter chairs	15.
18	M. Du Perow W. B. Moses & Sons	Push buttons	1. 3.
22	W.B. Moses & Sons	Oilcloth Angle for table	3.
	G. A. Schwakhopf	Angle for table	7.
	Frank Wright	Advertising	2
31	W. B. Moses & Sons G. A. Schwakhopf The Avant Courier Publishing Co. Frank Wright M. Du Perow Depue & Church do The M. Lindsay Rubber Co. do	Advertising do Wall phone and cable Salt Hay Rubber gloves. Disks	3. 32.
ept. 5	Depue & Church	Salt	15.
-	do	Hay	9,
	The M. Lindsay Rubber Co	Rubber gloves	h
	American Too Co	Tao	1.76
	G W Todd & Co	Check punch	176. 30.
	The M. Lindsay Rubber Codo do American Ice Co G. W. Todd & Co John Moran Carey Machinery and Supply Co W. B. Moses & Sons M. Du Perow Woodward & Lothrop Depue & Church do do do	Check punch Trap screw Brass fittings	5.
	Carey Machinery and Supply Co	Brass fittings	11.
	W.B. Moses & Sons	Hatrack	7.
	M. Du Perow	Buzzers Office furniture Middlings and hay Hay Straw and oats	60.
	Donue & Church	Middlings and hav	7.
	Debue & Charen	Hav	12
	do	Straw and oats	12. 47.
	do	Salt	30.
	do do	Hay	12. 36.
	do	Oats Rye straw	56. 9.
10	J. C. Parker	Dictionary, atlas, etc	39.
10	Louis Hartig	Hangers, tracks, etc	5.
	The J. C. Ergood Co	Bon ami	5. 10.
	The Chesapeake and Potomac Telephone Co.	Moving telephone	8.
	M. Du Perow	Desk ian	9.
	Helena Harald Publishing Co	Advertising	5. 21.
13	Commercial Publishing Co	do	6.
	J. C. Parker Louis Hartig The J. C. Ergood Co The Chesapeakeand Potomac Telephone Co. M. Du Perow Wm. H. Dyer Helena Herald Publishing Co Commercia! Publishing Co Key West Advertiser Capital Traction Co Frank Hume Joseph Mathy Rudolph, West & Co Frank Hume Lutz & Co	Dictionary, atlas, etc Hangers, tracks, etc Bon ami Moving telephone Desk fan Wooden roller Advertising do do Street-car tickets	6. 20.
	Capital Traction Co	Street-car tickets	20.
15	Frank Hume	Salt	26. 2.
19	Rudolph West & Co	Repairing ice box Wrench and shears	5.
	Frank Hume	Salt	
	Lutz & Co	Leather neck net	1.
	J. Baumgarten & Sons Great Falls Daily Leader Louis Hartig John Moran J. B. Lambie	Brushes and net Date stamps	9.
19	J. Baumgarten & Sons	Date stamps	6. 8.
	Louis Hartie	Horseshoes and hammer	48.
	John Moran	Horseshoes and hammer Galvanized iron	13.
	J. B. Lambie	Scales and hardware	69.
22	do	Screws	2. 1.
	Z. D. Gilman Florida Publishing Co	Powdered alum Advertising	9.
	Dean Publishing Co	do	8.
30	CO Z. D. Gilman Florida Publishing Co Dean Publishing Co. Rudolph, West & Co The Tropical Sun Laughlin Manufacturing Co.	do Stepladders Advertising Fountain pen Rubber stamps Self-inking stamp Carbon paper Cleaning carpet	10.
	The Tropical Sun	Advertising	8.
	Laughlin Manufacturing Co	Fountain pen	2.
	Herman Baumgarten	Self-inking stamps	5. 3.
	J. F. Donahoo	Carbon paper	4.
	A. Kahlert & Co	Cleaning carpet	1.
	J. Baumgarten & Sons J. F. Donahoo A. Kahlert & Co Wyckoff, Seamans & Benedict	tepaning typewitter	1. 7.
	J. Baumgarten & Sons The Smith Premier Typewriter Co	Rubber stamps Repairing typewriter	7. 8.
	Total first quarter	Repairing typewriter	1,797.
	_		
ct. 9	Herman Baumgarten	Rubber stampsdo	$\frac{1}{2}$ .
	dodo	do	ĩ.
	Louis Hartig Daniel Hiser Wyckoff, Seamans & Benedict	Swedish iron	3. 5.
	110013 1101 05		

#### CONTINGENT EXPENSES, WEATHER BUREAU-Continued.

Date.	Name.	Nature of payment.	Total
1902.			
et. 13	Chicago Chronicle Co Sun Printing and Publishing Co American Ice Co	Advertising do	\$36
	Sun Printing and Publishing Co	do	57 123
	American Ice Co	Ice	123
	J. E. Shaw The San Francisco Chronicle W. G. Duckett	Bicycle tire	27 27
	The San Francisco Unronicie	Amica	21
17	W. G. Duckett	Book cover	3
14	J. C. Parker Depue & Church	Rye straw	9
	C R Edmonston	Spittoons	6
	C. R. Edmonston. Rudolph, West & Co United States Express Co. Depue & Church	Spittoons Brushes	10
	United States Express Co	Transportation	4
22	Denue & Church	Transportation Hay and oats	45
1010	Louis Hartig George Roberts The A. J. Joyce Carriage Co Louis Hartig J. R. Galloway Herman Baumgarten American Writing Machine Co. Library Buyeau	Fuller hammer and handle	1
	George Roberts	Soda	- î
	The A. J. Joyce Carriage Co	Soda Resetting carriage axle Blacksmith apron Ceiling fan Rubber stamps Repairing typewriter Desk typewriter stand Rubber tubing Publications Pair hellows	3
	Louis Hartig	Blacksmith apron	2
	J. R. Galloway	Ceiling fan	20
	Herman Baumgarten	Rubber stamps	1
	American Writing Machine Co	Repairing typewriter	5
	Library Bureau	Desk typewriter stand	160
	Z.D. Gilman	Rubber tubing	1
01	G. E. Stechert	Publications	$\frac{1}{2}$
31	Z.D. Gilman G.E. Stechert Southern Printers' Supply Co. R. McReynolds' Sons. American Ice Co.	Pair bellows Repairs to carriage Ice do Advertising do	
v8	R. McReynolds' Sons	Repairs to carriage	52
15	American Ice Co	ice	33
	Cold Tolks Malaneses	A descentiain a	28
	The Francisca Deat Dublishing Co	Advertising	19
	Standard Publishing Co A. H. Bell & Co., publishers Tampa Tribune Publishing Co New York American and Journal W. B. Moses & Sons W. M. Galt & Co	do	13
	A H Ball & Co. publishers	do	19 19
	Tampa Tribune Publishing Co	do	15
	New York American and Journal	do	72
	W. B. Moses & Sons	Awning and shades	4
	W. M. Galt & Co	Forage	7
	do	do	7 25
	Mackall Bros	Borax	1
	Woodward & Lothrop	Venetian blinds	11
17	Woodward & Lothrop John C. Parker Martin Wiegand	Borax Venetian blinds Staples, seals, etc Shelving Photograph supplies Loe chest Car tickets Chest bandles	13
	Martin Wiegand	Shelving	11 13 86
	E. J. Pullman John Moran Capital Traction Co	Photograph supplies	10
	John Moran	Ice chest	7
	Capital Traction Co	Car tickets	20
	John Moran Church & Stephenson W. M. Galt & Codo	Chest handles	4
	W. M. Colt & Co.	Lumber	46
	do	Forage	11
	Harman Raumgartan	Rubber stamps	11
	W B Moses & Sons	Chair caning	6
	Herman Baumgarten W. B. Moses & Sons Houghton & Delano	Chair caning Photo supplies Repairing telephone Repairing typewriter	2
	M. Du Perow Wyckoff. Seamans & Benedict	Repairing telephone	ĩ
	Wyckoff, Seamans & Benedict	Repairing typewriter	1
	Mackall Bros	Liniment	1
	Wm. Nordhoff	Clock	2
	Barber & Ross	Liniment Clock Metal polish	2
	Hugh Reilly	(+)acc	2
	United Disinfecting Co	Disinfectant	10
011	Wyckoff, Seamans & Benedict Mackall Bros Wm. Nordhoff Barber & Ross. Hugh Reilly United Disinfecting Co Rand, McNally & Co Tribune Co Salt Lake Tribune	Disinfectant Pocket pencils Advertising	2 46
21	Tribune Co	Auvertising	46
	Salt Lake Tribune	do	18
	W. M. Galt & Co Clark & Davenport The Herald Co Adams Express Co	Forage	29
30	The Heveld Co	Carpet Advertising Express charges	157
90	Adams Express Co	Express charges	13 9
	do	do	9
	Clark & Davenport Woodward & Lothrop W. B. Moses & Sons	do Repairing carpet Book Wardrobe	4
	Woodward & Lothrop	Book	8.1
	W. B. Moses & Sons	Wardrobe	9
	do	Cushion	1
	Tampa Publishing Co	Advertising	8
	The Anthony & Scoville Co	Carbon paper	1
	do Tampa Publishing Co The Anthony & Scoville Co Library Bureau M. Du Perow W. G. Duckett Burrells Press Clipping Bureau Adams Express Co W. M. Galt & Co J. B. Lambie Hugh Reilly Deseret News	Wardrobe Cushion Advertising Carbon paper Office furniture Electric clock	312 2
	M. Du Perow	Electric clock	2
-	W.G. Duckett	Chemicals Press clippings Transportation	1.
e. 6	Burrells Press Clipping Bureau	Press clippings	18.
	Adams Express Co	Transportation	14.
9	W. M. Galt & Co	Hay. straw, and middlings Plane, drill, etc	23.
	J. D. Lambie	Plane, drill, etc. Glass, etc.	3.
	Unah Daille		2.

 $Expenditures of \, Department \, of \, Agriculture \, for \, \, year \, ending \, June \, \, 30,1903 - \hbox{Cont'd}.$ 

# CONTINGENT EXPENSES, WEATHER BUREAU—Continued.

Date.	Name.	Nature of payment.	Total.
1902.			
Dec. 9	Library Bureau	Catalogue cards	\$4.80
18	J. C. Parker	Calendar pads	2.00
10	Library Bureau J. C. Parker Woodward & Lothrop Z. D. Giiman American Ice Co John Moran Smith Premier Typewriter Co do Chicago Herald Co	Calendar pads Wardrobe Sulphuric acid	8.50 1.79 22.50
	American Ice Co	Ice	22.5
22	John Moran	lee Tin pails Repairing typewriterdoAdvertising Repairing harness Washing towels File holders Corn	1.00
	Smith Premier Typewriter Co	Repairing typewriter	. 50 1. 7
	Chicago Herald Co	Advertising	48.0
	Cincago Heraid Co Lutz & Co John D. Frazee Woodruff Manufacturing Co W. M. Galt & Co. W. B. Moses & Sons	Repairing harness	17.0
	John D. Frazee	- Washing towels	17.0
	W M Galt & Co	Corn	179.1
	W. B. Moses & Sons	Repairing office furniture	2.3 31.5 2.5
	do	Repairing chair	2.5
	M. Du Bonow	Shades	5.9
	M. Du Perow J. B. Lambie	Clamps	15.0 8.5
	do ·		1.3
23	Mirror Co J. B. Lambie	Advertising	4.4
	J. B. Lambie	Locks, etc	9.4
	Total second quarter		2,176.8
1903.	W. 75 G. 14 A. G.		27.0
Jan. 14	W. M. Galt & Codo		25.3 7.2
	do American Ice Co Wm. B. Lynch Adams Express Co do United States Express Co do The Deseret News Postmaster, Washington, D. C J. C. Parker	Ice	21.3
15	Wm. B. Lynch	Advertising	2.0
20	Adams Express Co	Express charges	5.8
	Trited States Farmers Co	do	1.2 3.9
	do	do	o. 8
	The Deseret News	Advertising	4. 7
22	Postmaster, Washington, D. C.	Postage stamps	300.0
24	J. C. Parker	Calendar pade ote	15.0 2.8
31	do United States Express Co. Rudolph, West & Co J. D. Frazee	do do Advertising Postage stamps Washington city directories Calendar pads, etc Express charges Horseshoes Washing towels Repairing carpet Repairing map desk Street-car tickets Filing case and stand Repairing typewriter Rubber mat Glass cutter Ladder Copper tubing Advertising do do	12.7
0.	Rudolph, West & Co	Horseshoes	8.0
		Washing towels	8.7
	Wurdeman & Co	Renairing carpet	16.6 110.0
	Capital Traction Co.	Street-car tickets	20.0
	Albert Kahlert & Co. Wurdeman & Co. Capital Traction Co. Library Bureau The Smith Premier Typewriter Co. Wyckoff, Seamans & Benedict Hugh Reilly J.B. Lambie	Filing case and stand	77.5
	The Smith Premier Typewriter Co	Repairing typewriter	9.7 2.0
	Hugh Reilly	Glass cutter	6.0
	J. B. Lambie	Ladder	12.7
	do Carter & Russell Publishing Co. Lockney & Martin The Herald Co John Underwood Keuffel Esser Co G. E. Leith E. J. Pullman	Copper tubing	8.8
Feb. 4	Lockney & Martin	Advertising	12. 7 8. 8 8. 7 4. 4
	The Herald Co	do	8.4
7	John Underwood	Typewriter ribbons	9.0
10	Keuffel Esser Co	Cross-section paper	1.9
10 12	E I Pullman	Sulphite sode	5. 0 1. 0
12	E. J. Pullman Adams Express Co W. M. Galt & Co	Typewriter ribbons Cross-section paper Advertising Sulphite soda Express charges Rye straw Hav	1.1
	W. M. Galt & Co	Rye straw	1.1 13.4
	do	Hay	10.7
	The Smith Premier Typewriter Co	Hay Shades of opaque Repairing typewriter Repairing dating stamp	5. 9 22. 7
	J. Baumgarten & Sons	Repairing dating stamp	1.5
	do	Rubber stamps	2.5 3.2 31.5
	Lutz & Co	Repairing narness	3. Z
	Harris & Shafer Co	Repairing clock	2.0
	M. Lindsay Rubber Co	Rubber	2. 0 10. 0 20. 0
	do W. B. Moses & Sons. The Smith Premier Typewriter Co. J. Baumgarten & Sons do Lutz & Co do Harris & Shafer Co M. Lindsay Rubber Co American Ice Co Smithsonian Institution W. M. Galt & Co	The granting or shapes	20.0 $117.7$
	W. M. Galt & Co.	Corn	5.9
	do	Hay	13. 4 23. 4
	do G.F. Muth & Co J.B. Lambie	Oats	23.4
	G.F. Muth & Co	Kerosene oil	1.5
	J.B.Lambie	Horseshoe nails	4. 3 5. 0
20	Anthony & Scoville Co	Carbon cyko	8.6
~ 3	Anthony & Scoville Co Houghton & Delano	Horse blankets Repairing clock Rubber Ice Transporting exchanges Corn Hay Oats Kerosene oil Spring catches, etc Horseshoe nails Carbon cyko Farbutt plates Cards, etc Repairing filter Advertising	1.0
	Library Bureau John Moran Frank Wright	- Cards, etc	27.2 4.0

## CONTINGENT EXPENSES, WEATHER BUREAU—Continued.

Da	te.	Name.	Nature of payment.	Total.
190	J3			
Feb.		Amarillo Record	Advertising	\$4.80
100.		G. H. Wolf, publisher Salt Lake Telegram Publishing Co John C. Parker W. B. Moses & Sons		6.16
		Salt Lake Telegram Publishing Co	do	4.41
	21	John C. Parker	do do Notarial seals Recaning stool Liniment and arnica Witch-hazel Straw, hay, and bran	1.60
		W. B. Moses & Sons	Recaning stool	1.50
		W.G.Duckett	Witch hozel	3.20 1.00
		W M Galt & Co	Straw hay and bran	10.18
		P. Mann & Co	Rve. etc	1.90
		W. G. Duckett do W. M. Galt & Co P. Mann & Co Wm. Nordhoff Lutz & Co John C. Parker Luhn Maran	Straw, nay, and oran Rye, etc Repairing clock Repairing leather portfolio Fountain pen Ice chute Label holders Press climpings	2.00
		Lutz & Co	Repairing leather portfolio	1, 50
		John C. Parker	Fountain pen	5.00
		John Moran	Ice chute	7.00
	28	Southern Printers' Supply Co Burrell's Press Clipping Bureau The Smith Premier Typewriter Co	Label holders Press clippings Repairing typewriter Advertising do Savogran Advertising	$9.37 \\ 11.82$
	100	The Smith Premier Typewriter Co	Repairing typewriter	7.60
Mar.	. 5	The Inter Ocean Pioneer Printing and Publishing Co India Alkali Works The Avant Courier Publishing Co Tribune Co	Advertising	9.10
		Pioneer Printing and Publishing Co	do	3, 00 12, 00
	9	India Alkali Works	Savogran	12.00
	10	The Avant Courier Publishing Co	Advertising	7.00
	12	Tribune Co E. H. Beckerdo Lutz & Co	dodo	7.60
		do	do	8.75 8.40
		Lutz & Co	Carriage rug	· 5, 60
		W. M. Galt & Co M. Du Perow J. B. Lambie Co	Oats, rye, hay	38.57
		M. Du Perow	Push button	2.00
		Wurdeman & Co	Saw filing guide	2.50
		J. B. Lambie Co. Wurdeman & Co. Wurdeman & Co. Woodward & Lothrop W. B. Moses & Sons Library Bureau Lutz & Co. J. E. Shaw American Ice Co. The World Manufacturing Co. W. M. Galt & Co. Capital Traction Co. Wurdeman & Co. The Washington Times Co. The Washington Times Co. Salt Lake Tribune J. B. Lambie Co.	Carriage rug Oats, rye, hay Push button Saw filing guide Repairing desk Ducking	15.00 6.25
		W. B. Moses & Sons	Ducking Shades Office furniture and cards Repairing shaft, tug Repairing bicycle Ice Screen Straw and hay Street car tickets Mahogany file case Advertising do do Shelf pins	3.54
	20	Library Bureau	Office furniture and cards	72.20
		Lutz & Co	Repairing shaft, tug	. 50
		J. E. Shaw	Repairing bicycle	1.55
	24	American Ice Co	Ice	21.50
	24	W M Galt & Co	Streen	23.70 6.80
		Capital Traction Co	Street car tickets	20.60
		Wurdeman & Co	Mahogany file case	130,00
		The Washington Times Co	Advertising	18.00
		The Washington Post Co	do	19.69
		J. B. Lambie Co	Ch-16	10.56
				1.20
		Total third quarter		1,595.38
Apr	. 7	Independent Publishing Co	Advertising	5.28
-		Louis Hartig do	Fron Horseshoe pads Bicycle lamp	1.43
		T. T. Cl	Horseshoe pads	$17.65 \\ 2.75$
		W. C. Toples	Bicycle lamp	2.79
	14	Peter Gray & Sons	Tin pipe	3. 25 45. 00
	$2\overline{1}$	Woodward & Lothron	Cooling machine Oak stools	2.35
		R. McReynolds Sons	Repairing carriage	100.00
		Lutz & Čo	Tilbury shaftings	2.65
		do J. E. Shaw W. S. Jenks Peter Gray & Sons. Woodward & Lothrop R. McReynolds Sons Lutz & Co Burrell's Press Clippings Bureau American Ice Co The Record. Chicago Herald Co	Press clippings	9.30
		The Record	Adventising	$\frac{28.88}{2.00}$
May	5	Chicago Herald Co	do	36.00
		Chicago Herald Co J. D. Frazee W. M. Galt & Co	Washing	13.71
		W. M. Galt & Co	Hay and oats	36.09
		Rudolph, West & Co The Chesapeake and Potomac Telephone	Rye straw	6.60
	7	Rudolph, West & Co	Wire nails, screws, etc	1.98
	•	Co.	Oak stools Repairing carriage Tilbury shaftings Press clippings Ice Advertisingdo Washing Hay and oats Rye straw Wire nails, screws, etc Telephone services	115.00
	10	United States Express Co.	Express charges	109.29
	12	United States Express Co	Express charges	3.15
		W. M. Galt & Co R. McReynolds Sons	Cloth	13.42 1.50
		T. T. Pitman	Hay Cloth Advertising	4.31
		The Chesapeake and Potomac Telephone	Telephone services	120,21
	13	Co. J. Baumgarten & Sons	Repairing numbering machines	1.75
	16			33, 30
		Lutz & Co	Repairing harness	1.75
	10	American Ice Co.	Ice	26.37
	19	United States Express Co	Advertising	15.00
	27	Clark & Davenport	Ice Advertising Express charges Carpet	$9.75 \\ 37.42$
	31	United States Express Co.	Express charges	.70
		W. M. Galt & Co Lutz & Co American Ico Co. Boston Herald Co United States Express Co. Clark & Davenport. United States Express Co. G. E. Stechert.	Express charges Publications	3.66

# CONTINGENT EXPENSES, WEATHER BUREAU—Continued.

Date.	Name.	Nature of payment.	Total
1903.			
fay 31	G. E. Stechert do	Publications	\$2. 5. 1.
	do	do do	5.
	do do W. M. Galt & Co. Hugh Reilly Herman Baumgarten John Lynch Rudolph, West & Co J. B. Lambie Co. (Incorporated) Inter Mountain Publishing Co. The Sun Printing and Publishing Association.	do	1.
	Hugh Railly	Hay	13.
	Herman Baumgarten	Glass Rubber stamps Shoeing horses Hinges Iron band Advertising	3. 2.
	John Lynch	Shoeing horses	6.
	Rudolph, West & Co	Hinges	
une 3	J. B. Lambie Co. (Incorporated)	Iron band	1. 27.
	Inter Mountain Publishing Co.	Advertising	27.
	The Sun Printing and Publishing Associa-	do	40.
	tion.	Window anntain	1
	W. B. Moses & Sons. W. G. Duckett Evening Star Newspaper Co. W. B. Moses & Sons.	Window curtain	1.
10	Evening Star Newspaper Co	Roach paste Advertising Bookcase Rubber hose Advertising	11.
18	W. B. Moses & Sons	Bookcase	18
	John Moran	Rubber hose	18. 1.
	Providence Journal Co	Advertising	11.
	The Havre Plaindealer	Postal scales	5.
	John C. Parker	Postal scales	4.
	W.M. Galt & Co.	Oats	23.
	John Moran Providence Journal Co. The Havre Plaindealer John C. Parker W. M. Galt & Co. American Ice Co. W. M. Galt & Co. Lohn Moran	Ice	36.
	John Moran	Sand	13. 1.
	M. M. Gail & Co. John Moran. Hugh Reilly John Moran. National Railway Publication Co. Lutz & Co. G. E. Stechert. Record Publishing Co. L. C. Parker.	Glass	1.
	John Moran	Glass Wooden measure Subscription Repairing harness	1.
	National Railway Publication Co	Subscription	8
	Lutz & Co	Repairing harness.	
	G. E. Stechert	Publication	1.
	J. C. Parker	Advertising	8.
	J. C. Farker	Publication Advertising Index tags Call bell	1.
	Total fourth quarter	=	1,069.
	Supplemental.		
ıly 15	Duluth Printing and Publishing Co	Advertising Press clippings	9.
21	Burrell's Press Clipping Bureau	Press clippings	9.
1			
	Canital Traction Co	Ice	37.
	Capital Traction Co	Street-car tickets	37. 20.
	Capital Traction Co	Street-car tickets Express charges Washing towels	4.
22	American Ice Co. Capital Traction Co. United States Express Co. J. D. Frazee The Chesapeake and Potomac Telephone	Street-car tickets Express charges Washing towels Telephone services	4. 14.
22			14. 121.
	G. W. Todd		14 121 6
22 31	G. W. Todd. Evening Telegram Co.	Ink Advertising	14 121 6
	G. W. Todd. Evening Telegram Co.	Ink Advertising	4 14 121 6 13 1 4
	G. W. Todd. Evening Telegram Co.	Ink Advertising	4. 14. 121. 6. 13. 1. 4.
	G. W. Todd. Evening Telegram Co.	Ink Advertising	4. 14. 121. 6. 13. 1. 4.
	G. W. Todd. Evening Telegram Co.	Ink Advertising	4. 14. 121. 6. 13. 1. 4.
	G. W. Todd. Evening Telegram Co.	Ink Advertising	4 14 121. 6. 13. 1. 4. 6. 1. 8.
	Co. G. W. Todd. Evening Telegram Co. Geo. F. Muth & Co. Houghton & Delano. E. Morrison Paper Co. Hutton & Hilton W. M. Galt & Co. Louis Hartig. Smithsonian Institution	Ink Advertising Brushes Films Part for letterpress Rubber cloth Rye straw Rubber horseshoe Transportation of exchanges.	4 14 121. 6. 13. 1. 4. 6. 1. 8.
	Co. G. W. Todd. Evening Telegram Co. Geo. F. Muth & Co. Houghton & Delano. E. Morrison Paper Co. Hutton & Hilton W. M. Galt & Co. Louis Hartig. Smithsonian Institution	Ink Advertising Brushes Films Part for letterpress Rubber cloth Rye straw Rubber horseshoe Transportation of exchanges.	4 14 121 6 13 1 4 6 1 8 7 287 1
	Co. G. W. Todd. Evening Telegram Co. Geo. F. Muth & Co. Houghton & Delano. E. Morrison Paper Co. Hutton & Hilton W. M. Galt & Co. Louis Hartig. Smithsonian Institution	Ink Advertising Brushes Films Part for letterpress Rubber cloth Rye straw Rubber horseshoe Transportation of exchanges.	4 14 121. 6. 13. 1. 4. 6. 6. 1. 8. 7. 287. 1.
	Co. G. W. Todd. Evening Telegram Co. Geo. F. Muth & Co. Houghton & Delano. E. Morrison Paper Co. Hutton & Hilton W. M. Galt & Co. Louis Hartig. Smithsonian Institution	Ink Advertising Brushes Films Part for letterpress Rubber cloth Rye straw Rubber horseshoe Transportation of exchanges.	4 14 121. 6 13 1. 4 6. 1. 8. 7 287. 1. 1.
31	Co. G. W. Todd. Evening Telegram Co. Geo. F. Muth & Co. Houghton & Delano. E. Morrison Paper Co. Hutton & Hilton W. M. Galt & Co. Louis Hartig. Smithsonian Institution	Ink Advertising Brushes Films Part for letterpress Rubber cloth Rye straw Rubber horseshoe Transportation of exchanges.	4 14 121. 6 13 1. 4 6 6. 1. 8. 7 287. 1. 4 4 1. 1. 1. 287. 1. 1.
31	Co. G. W. Todd. Evening Telegram Co. Geo. F. Muth & Co. Houghton & Delano. E. Morrison Paper Co. Hutton & Hilton W. M. Galt & Co. Louis Hartig. Smithsonian Institution	Ink Advertising Brushes Films Part for letterpress Rubber cloth Rye straw Rubber horseshoe Transportation of exchanges.	4 14 121. 6 13. 1. 4 6 6 1. 8 7. 287. 1. 1. 4. 4. 1. 1. 287. 1. 1. 1. 4. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
31	Co. G. W. Todd. Evening Telegram Co. Geo. F. Muth & Co. Houghton & Delano. E. Morrison Paper Co. Hutton & Hilton W. M. Galt & Co. Louis Hartig. Smithsonian Institution	Ink Advertising Brushes Films Part for letterpress Rubber cloth Rye straw Rubber horseshoe Transportation of exchanges.	4 14 121. 6 13. 1. 4 6 6 1. 8 7. 287. 1. 1. 4. 4. 1. 1. 287. 1. 1. 1. 4. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
31 ag 6	Co. G. W. Todd. Evening Telegram Co. Geo. F. Muth & Co. Houghton & Delano. E. Morrison Paper Co. Hutton & Hilton W. M. Galt & Co. Louis Hartig. Smithsonian Institution	Ink Advertising Brushes Films Part for letterpress Rubber cloth Rye straw Rubber horseshoe Transportation of exchanges.	4 14 121. 6 13. 1. 4 6 6. 1. 287. 1. 1. 4 15. 19. 19. 1.
31 ag 6	Co. G. W. Todd. Evening Telegram Co. Geo. F. Muth & Co. Houghton & Delano. E. Morrison Paper Co. Hutton & Hilton W. M. Galt & Co. Louis Hartig. Smithsonian Institution	Ink Advertising Brushes Films Part for letterpress Rubber cloth Rye straw Rubber horseshoe Transportation of exchanges.	4 14 121. 6 13 1. 4 6 6 1. 8. 7, 287. 1. 1. 1. 4. 15. 19. 1. 12. 12.
31 ag 6	Co. G. W. Todd. Evening Telegram Co. Geo. F. Muth & Co. Houghton & Delano. E. Morrison Paper Co. Hutton & Hilton W. M. Galt & Co. Louis Hartig. Smithsonian Institution	Ink Advertising Brushes Films Part for letterpress Rubber cloth Rye straw Rubber horseshoe Transportation of exchanges.	4 144 121. 6 13 1. 4 6 6 1. 1. 287. 7. 287. 1. 1. 1. 1. 1. 1. 1. 2. 1. 1. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.
31 ag 6	Co. G. W. Todd. Evening Telegram Co. Geo. F. Muth & Co. Houghton & Delano. E. Morrison Paper Co. Hutton & Hilton W. M. Galt & Co. Louis Hartig. Smithsonian Institution	Ink Advertising Brushes Films Part for letterpress Rubber cloth Rye straw Rubber horseshoe Transportation of exchanges.	4 144 121. 6. 13. 14. 6. 1. 287. 1. 1. 4. 4. 1. 15. 19. 1. 1. 12. 12. 12. 12.
31 ag 6	Co. G. W. Todd. Evening Telegram Co. Geo. F. Muth & Co. Houghton & Delano. E. Morrison Paper Co. Hutton & Hilton W. M. Galt & Co. Louis Hartig. Smithsonian Institution	Ink Advertising Brushes Films Part for letterpress Rubber cloth Rye straw Rubber horseshoe Transportation of exchanges.	4 144 121. 6. 13. 14. 6. 1. 287. 1. 1. 4. 4. 1. 15. 19. 1. 1. 12. 12. 12. 12.
31 ag 6	Co. G. W. Todd. Evening Telegram Co. Geo. F. Muth & Co. Houghton & Delano. E. Morrison Paper Co. Hutton & Hilton W. M. Galt & Co. Louis Hartig. Smithsonian Institution	Ink Advertising Brushes Films Part for letterpress Rubber cloth Rye straw Rubber horseshoe Transportation of exchanges.	4 144 121. 6. 13 14 4. 6. 1. 8. 8. 7. 287. 1. 4. 4. 15. 19. 11. 12. 12. 12. 12. 13.
31 ag 6	G. W. Todd. Evening Telegram Co. Geo. F. Muth & Co. Houghton & Delano. E. Morrison Paper Co. Hutton & Hilton W. M. Galt & Co. Louis Hartig. Smithsonian Institution Mackall Bros W. B. Moses & Sons John C. Parker do do do The Morning Leader Z. D. Gilman Albert Kahlert & Co. Havre Press Adams Express Co. do do do	Ink Advertising Brushes Films Part for letterpress Rubber cloth Rye straw Rubber horseshoe Transportation of exchanges Sodium carbonate Repairing chairs Album Dictionary Dictionary and stand Rubber gloves Advertisingdo Hydrochinon, etc Taking up carpet Advertising Express chargesdododododododododododododododododo	4 144 121. 6 13. 1. 4 6 6 1. 8. 7. 287. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
31 ag 6 15 24	Co. Evening Telegram Co. Geo. F. Muth & Co. Houghton & Delano. E. Morrison Paper Co. Hutton & Hilton W. M. Galt & Co. Louis Hartig. Smithsonian Institution Mackall Bros W. B. Moses & Sons John C. Parker do do M. Lindsay Rubber Co. Duluth News-Tribune Co. The Morning Leader Z. D. Gilman Albert Kahlert & Co. Havre Press. Adams Express Co. do	Ink Advertising Brushes Films Part for letterpress Rubber cloth Rye straw Rubber horseshoe Transportation of exchanges Sodium carbonate Repairing chairs Album Dictionary Dictionary Dictionary and stand Rubber gloves Advertising do Hydrochinon, etc Taking up carpet Advertising Express charges do do do do	4 144 121. 6. 133 144 6. 1. 8. 8. 7. 287. 1. 4. 4. 15. 19. 12. 12. 23. 10.
31 ug 6 15 24 ept. 9	Co. Evening Telegram Co. Geo. F. Muth & Co. Houghton & Delano. E. Morrison Paper Co. Hutton & Hilton W. M. Galt & Co. Louis Hartig. Smithsonian Institution Mackall Bros W. B. Moses & Sons John C. Parker do do M. Lindsay Rubber Co. Duluth News-Tribune Co. The Morning Leader Z. D. Gilman Albert Kahlert & Co. Havre Press. Adams Express Co. do	Ink Advertising Brushes Films Part for letterpress Rubber cloth Rye straw Rubber horseshoe Transportation of exchanges Sodium carbonate Repairing chairs Album Dictionary Dictionary Dictionary and stand Rubber gloves Advertising do Hydrochinon, etc Taking up carpet Advertising Express charges do do do do do do	4 144 121. 6. 133 144 6. 1. 8. 8. 7. 287. 1. 4. 4. 15. 19. 12. 12. 23. 10.
31 ug 6	G. W. Todd. Evening Telegram Co. Geo. F. Muth & Co. Houghton & Delano. E. Morrison Paper Co. Hutton & Hilton W. M. Galt & Co. Louis Hartig. Smithsonian Institution Mackall Bros W. B. Moses & Sons John C. Parker do do do M. Lindsay Rubber Co. Duluth News-Tribune Co. The Morning Leader Z. D. Gilman Albert Kahlert & Co. Havre Press Adams Express Co. do do do do do Remington Typewriter Co. United States Express Co.	Ink Advertising Brushes Films Part for letterpress Rubber cloth Rye straw Rubber horseshoe Transportation of exchanges Sodium carbonate Repairing chairs Album Dictionary Dictionary Dictionary and stand Rubber gloves Advertising do Hydrochinon, etc Taking up carpet Advertising Express charges do do do do do do	4 144 121. 6. 13. 1. 4. 4. 6. 6. 6. 1. 1. 2. 2. 2. 2. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
31 ug 6 15 24 ept. 9 15 22	G. W. Todd. Evening Telegram Co. Geo. F. Muth & Co. Houghton & Delano. E. Morrison Paper Co. Hutton & Hilton W. M. Galt & Co. Louis Hartig. Smithsonian Institution Mackall Bros W. B. Moses & Sons John C. Parker do do do M. Lindsay Rubber Co. Duluth News-Tribune Co. The Morning Leader Z. D. Gilman Albert Kahlert & Co. Havre Press Adams Express Co. do do do do do Remington Typewriter Co. United States Express Co.	Ink Advertising Brushes Films Part for letterpress Rubber cloth Rye straw Rubber horseshoe Transportation of exchanges Sodium carbonate Repairing chairs Album Dictionary Dictionary Dictionary and stand Rubber gloves Advertising do Hydrochinon, etc Taking up carpet Advertising Express charges do do do do do do	9 37. 20.0 4. 14. 121. 6. 13. 1. 4. 6. 6. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
31 ug 6 15 24 ept. 9 15 22	G. W. Todd. Evening Telegram Co. Geo. F. Muth & Co. Houghton & Delano. E. Morrison Paper Co. Hutton & Hilton W. M. Galt & Co. Louis Hartig. Smithsonian Institution Mackall Bros W. B. Moses & Sons John C. Parker do do M. Lindsay Rubber Co. Duluth News-Tribune Co. The Morning Leader Z. D. Gilman Albert Kahlert & Co. Havre Press. Adams Express Co. do .	Ink Advertising Brushes Films Part for letterpress Rubber cloth Rye straw Rubber horseshoe Transportation of exchanges Sodium carbonate Repairing chairs Album Dictionary Dictionary Dictionary and stand Rubber gloves Advertising do Hydrochinon, etc Taking up carpet Advertising Express charges do do do do do do	4 144 121. 6 13. 1. 4 4 6 6 6 1. 1. 287. 1. 1. 1. 1. 1. 2. 2. 1. 1. 2. 2. 1. 1. 2. 3. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
31 ug 6 15 24 ept. 9 15 22 et. 12 20	G. W. Todd. Evening Telegram Co. Geo. F. Muth & Co. Houghton & Delano. E. Morrison Paper Co. Hutton & Hilton W. M. Galt & Co. Louis Hartig. Smithsonian Institution Mackall Bros W. B. Moses & Sons John C. Parker do do M. Lindsay Rubber Co. Duluth News-Tribune Co. The Morning Leader Z. D. Gilman Albert Kahlert & Co. Havre Press. Adams Express Co. do .	Ink Advertising Brushes Films Part for letterpress Rubber cloth Rye straw Rubber horseshoe Transportation of exchanges Sodium carbonate Repairing chairs Album Dictionary Dictionary Dictionary and stand Rubber gloves Advertising do Hydrochinon, etc Taking up carpet Advertising Express charges do do do do do do	4. 14. 121. 6. 13. 1. 4. 6. 6. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
31 ang 6 ang	G. W. Todd. Evening Telegram Co. Geo. F. Muth & Co. Houghton & Delano. E. Morrison Paper Co. Hutton & Hilton W. M. Galt & Co. Louis Hartig. Smithsonian Institution Mackall Bros W. B. Moses & Sons John C. Parker do do do M. Lindsay Rubber Co. Duluth News-Tribune Co. The Morning Leader Z. D. Gilman Albert Kahlert & Co. Havre Press Adams Express Co. do do do do do Remington Typewriter Co. United States Express Co.	Ink Advertising Brushes Films Part for letterpress Rubber cloth Rye straw Rubber horseshoe Transportation of exchanges Sodium carbonate Repairing chairs Album Dictionary Dictionary Dictionary and stand Rubber gloves Advertising do Hydrochinon, etc Taking up carpet Advertising Express charges do do do do	4 144 121. 6 13. 1. 4 4 6 6 6 1. 1. 287. 1. 1. 1. 1. 1. 2. 2. 1. 1. 2. 2. 1. 1. 2. 3. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.

#### RECAPITULATION.

First quarter Second quarter Third quarter Fourth quarter Supplemental	2,176.80 1,595.38 1,069.81
Motol .	7 613 03

#### GENERAL EXPENSES, WEATHER BUREAU.

Date.	Name.	Nature of payment.	Total.
1902.			
July 14	I. G. Gardiner	Traveling expenses	\$7.50
	F. L. Wilson	do	1.50
16	F. L. W180n A. Zappone L. M. Campfield A. McC. Ashley F. H. Coleman J. K. Hooper O. M. Hadley C. E. Holmes W. H. Wattern	do	20.75 8.85
21	A McC Ashley	do	11.00
67	F H Coleman	do	10.10
	J. K. Hooper	do	10.05
	O. M. Hadley	do	1.60
	C. E. Holmes	do	20.35
0.0	W.H. Watters	ao	4.50
26		do	23. 75 7. 45
	R.G. Allen		15.98
	J. B. Marbury	do	3.00
	M. R. Sanford C. A. Hyle	do	29.50
	R.L. Miller Charleston Consolidated Railway, Gas	do	13.20
	Charleston Consolidated Railway, Gas	Repairing storm-warning lan-	8.00
	and Electric Co.	terns.	40.00
	Wm, E. Davis Southern Electric Supply Co	Repairing typewriter	10.00
	Southern Electric Supply Co	Electric fans	30.00 1.50
	D. B. Etheridge S. S. Kime	Repairing telegraph line	2.00
	J. H. Stevens in	Repairing telegraph line Barometer platform Repairing furniture Repairing instrument shelter	50.00
	J.H. Stevens, jr R.F. Fairchild	Repairing instrument shelter	7.00
	Ed. McNamara	Inkand muchage	4.10
	W. J. Coffin	Cleaning map Erecting tower	. 16
31	Louis Hendricks The Cushman Chuck Co	Erecting tower	95.00
	The Cushman Chuck Co	Chuck pinion	. 45
	W.T. Crenshaw	Repairing typewriter	20.00
	S. S. Bassler	Traveling expenses	3.50
	C. C. Garrett	Boroining instruments	15.35 8.00
	T E Ronno	Repairing instruments.	10.00
	R P Niles	Painting flagstaff	8. 75
	L. A. Laird T. E. Ronne R. P. Niles Potter & Wolf	do Painting flagstaff Office furniture	8.75 32.25
	J. F. McLean	Ink and oil	9.00
	Boston and Maine R. R.	Passenger transportation	7.80
	Somerset Rwy Wm. McComb McClung. Buffat & Buckwell.	do	2.50
	Wm. McComb	Express charges	1.25 6.75
	L. A. Brown	Water cooler Repairing flag pole	3.50
	A. H. Freeman	Freeting tower	70.00
	J.J. Freeman	Erecting tower. Cleaning clock.	2.50
	W. E. Carter	Electric fans	24.00
	Louis Lodhola	Traveling expenses	12.10
	R. M. Geddings	do	5.00
	W. F. R. Phillips et al.	Pay roll (climatology)	528.17
A 2204 6	Jno. P. Church et al	Printing office.	2,846,36
Aug. 6	R. M. Geddings W. F. R. Phillips et al Jno. P. Church et al The Western Railway of Alabama.	Passenger transportation	22.00 22.00
	E. A. Evans	Traveling expenses	9.00
	R. A. Fessenden	do	8.50
	J. H. Robinson	do	37.30
	E. A. Brown	do	11.10
	W. G. Wilson	do	14.75
	A. C. Pickels	do	22, 75
	L. A. Welsh	Drayage	2.13
	L. A. Welsh W. S. Palmer J. H. Kroeber & Co	Lumber, freight, etc.	6.04
11		Encycling or population	8.50 19.87
1.1	J.J. McLean	do Mallet and planer New Century Caligraph Repairing typewriter Listerine insect powder	31. 25
	National Printers' Supply Co American Writing Machine Co. Smith-Premier Typewriter Co. Hutton & Hilton Seth Thomas Clock Co.	Mallet and planer	
	American Writing Machine Co.	New Century Caligraph	. 84 69. 75
	Smith-Premier Typewriter Co.	Repairing typewriter	8, 20
	Hutton & Hilton	Listerine insect powder	31.20
	Seth Thomas Clock Co	Clocks	110.00
16	II. B. Hersey	Traveling expenses	13.00
12 14		Services	15.00
19	Julien P. Friez	Brass supports for thermome-	19.86 17,50
		THE PROPERTY OF THE PROPERTY O	

 $Expenditures of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30,1903-{\bf Cont'd}.$ 

Date.	Name.	Nature of payment.	Total.
1902.			
ug. 14	W. B. Moses & Sons	Chair	\$4.70
	do	Chairs Office furniture	9.50
	do		38.77
	do	Chair Water cooler	5.96 6.38
	do Clark & Davenport	Water cooler	39.49
	do		105.9
	do do Hugh Reilly	do do Paint Wood alcohol	28.9
	do	do	96.0
	Hugh Reilly	Paint	18.5
	do New York, substations J. W. Ward David Sutherland Lee Young Louis Hendricks Stafford Bell Brodevick Brose	Wood alcohol	. 9 35. 0
	New York, substations	Pay roll Ink and mucilage	35. U 3. 0
	Dovid Sutherland	Perciping tower	5.0
	Lee Voung	Repairing tower Repairing chair Coal and wood Recasting rollers	1.0
	Louis Hendricks	Coal and wood	100.0
	Stafford Bell	Recasting rollers	6.0
	Broderick Bros	White rags	14.0
	Conger Bros	Relaying carpet	6.6
	R. P. Clarke	Felt, etc.	45.0
	E. Morrison Paper Co	White rags Relaying carpet Felt, etc Ink Gauge pins	12.0
	Southern Printers' Supply Co	Gauge pins	34. 2 14. 1
	Otto Martin & Co	Pumice stone, hone, etc.	14.1
	Broderick Bros Conger Bros R. P. Clarke E. Morrison Paper Co Southern Printers' Supply Co Otto Martin & Co R. P. Andrews & Co. (Incorporated) G. E. Kitzmeyer G. H. Hornby Holbrook, Merrill & Stetson G. E. Fench & Co	Ink	8.2
	G H Hornby	Table	2. 7 3. 3
	Holbrook Merrill & Stetson	Window shades Stove, etc Silver sand	20.0
	G. E. French & Co. Philip Lindemeyer. National Printers' Supply Co. W. P. Herbst. H. C. Gambrill	Silver sand	3.0
	Philip Lindemeyer	Paste	312.0
	National Printers' Supply Co	Staples Bottles and corks Repairing furniture	50.0
	W.P. Herbst	Bottles and corks	6.0
	H. C. Gambrill	Repairing furniture	6.0
	Emry Davis	Inkstands Brooms Repairing instrument supports Office rent	135.0
	W. H. Rollinson	Brooms	1.5
	H. C. Haskins	Repairing instrument supports.	5.0
	K. McLaughin	Danaining office funniture	46. 58.
	Emry Davis W. H. Rollinson H. C. Haskins R. McLaughlin Wilkinson & Eastwood G. W. Hardway L. F. Turkon	Repairing office furniture Repairing clock	3.
	J. E. Turton	Chart frames	18.
18	J. E. Turton J. W. Halford	Chart frames Traveling expenses	7.
10	E. D. Beattie	Printing climate and crop re-	7.3 36.0
		norts.	
	Robert Tyler	do	10.6
	R. C. Evans	Office rent	8.0 24.0
	Henry Behrens	Office rent Constructing platform for instrument shelter.	24.
	M	strument sneiter.	25.
	Montgomery Light and Power Co	Electric fans Installing map frames and glass	14.
	J. C. Ellington, jr Deetz & Co		
	Deetz & Co J. S. Pinney Myer, Newberger & Co Northwest Electric Engineering Co The Fred Marcy Co (Limited) Western Electric Works T. B. Boyal Wm. J. Cooper S. G. Adams Stamp and Seal Co T. H. Lawrence C. P. Smith	Erecting storm-warming tower. Repairing stereotyping outfit. Repairing typewriter. Dry cells Bookcase. Instantaneous call-bell system. Gas stove. Repairing walk on roof. Ink	33.
	Myer, Newberger & Co	Repairing typewriter	20.
	Northwest Electric Engineering Co	Dry cells	5.
	The Fred Marcy Co. (Limited)	Bookcase	51.
	Western Electric Works	Instantaneous call-bell system.	28.
	T. B. Royal	Gas stove	7. 10.
	Wm. J. Cooper	Repairing walk on roof	10. 3.
	S. G. Adams Stamp and Seal Co	Ink Constructing platform on roof	5. 5.
	C P Smith	Panairing chaire	6.
	T A TT	6	10.
	R. N. Getty	Constructing platform on roof. Repairing chairs Repairing furniture Oil and brooms Boxes	8.
	A. Werner	Boxes	2.
	J. R. Wyss	Painting instrument shelter	7.
	E. P. Jones	Wood	24.
	W. & J. Sloan & Co.	Office chairs Linoleum and matting	9.
	John Wanamaker	Linoleum and matting	94.
	J. F. Meyer & Co	Building file case	9U.
	J. A. Howerton R. N. Getty A. Werner J. R. Wyss E. P. Jones W. & J. Sloan & Co John Wanamaker J. F. Meyer & Co M. Weil & Co C. M. Osborn	Binding climate and crop bulletins.	50. 77. 2.
	Yates & Co Noble & Roempke H. J. Green L. E. Stone George Bredbeck R. A. Neeld George Dast Eimer & Amend D. Frank Parker W. B. Moses & Sons	Oil	2. 1.
	Noble & Roempke	Repairing thermograph clock	1.
	H.J. Green	Repairing thermometers	46.
	L. E. Stone	Repairing telephone line	15.
	George Bredbeck	Repairing thermograph clock. Repairing thermometers Repairing telephone line Repairing instrument supports.	3.
	R. A. Neeld	Reblocking guy rods Painting roof instruments	5.
	George Dast	- Painting root instruments	8. 24.
	Eimer & Amena	I ridium sheet Stencil paper Table	353.
	D Fronk Ponkon		

Date.	Name.	Nature of payment.	Total.
1902.			
Aug. 22	Boston and Maine R. R.	Passenger transportation	\$0.4
	do	do	1.9
	L. I. Bakar	Services Batteries Glass cells Repairing typewriter Painting instrument shelter	5.0
	L. J. Baker Pacific States Telephone and Telegraph Co- St. Paul Electric Co	Batteries	2.1
	St. Paul Electric Co	Glass cells	1.5
	J. L. Puff	Repairing typewriter	1.5
	T. H. Lawrence	Painting instrument shelter	10.0
	J. L. Puff T. H. Lawrence Harve Furniture Co Scarff & O'Connor Co.	Lamp chimneys Printing materials Wood	3.9
	L. A. Midgett J. A. Howerton Alf Taler Nashville Banner	Wood	30.0
	J. A. Howerton	Repairing instrument stand	5.0
	Alf Taler	Cleaning carpet	7.0
	Nashville Banner	Repairing instrument stand Cleaning carpet Stereotype metal Cleaning carpet, etc	9.6
	F Pfaff & Co	Glass	6.0 10.0
	A. Clark F. Pfaff & Co J. C. Ruff	Glass Repairing furniture	5. 0
		Stepladder Typewriter stand Painting instrument shelter, etc	2. 7 5. 0
	J. S. Stahl	Typewriter stand	5.0
	R. C. Francis	Painting instrument shelter, etc	15.0
	W. P. Mosos & Sons	Files Office furniture Coal oil, etc	10.8 34.0
	Aberdeen Packing Co	Coal oil, etc	22. 1
	Frank Thielen	Services	.8
	G. E. MAYET J. S. Stahl R. C. Francis Rudolph, West & Co W. B. Moses & Sons Aberdeen Packing Co Frank Thielen Willis L. Moore	Coal oil, etc Services Traveling expenses do Oil, "Aladdin" Repairing self-register Glass, etc Repairing telegraph line do	18.5
	do Standard Oil Co Brown & Borsheim	do	10.9
	Standard Oil Co	Oil, "Aladdin"	5. 5 2. 5
31	T R Moeker	Glass etc	19.0
01	Joe Colev	Repairing telegraph line	2.5
	H.A.Drinkwater	do	2.5 2.5
	J. C. Wilson & Co.	Coal and wood	80.0
	H. Lewark	Horse hire and services	3, 5
	Norfolk & Southorn P. P. Co	Possonger transportation	2.5 1.4
	Maine Central R. R. Co	do	2.0
	Southern Ry. Co.	do	6.6
	do Standard Oil Co Brown & Borsheim T. B. Meeker Joe Coley H. A. Drinkwater J. C. Wilson & Co H. Lewark W. C. Grantham Norfolk & Southern R. R. Co Maine Central R. R. Co Southern Ry. Co do Michigan Central R. R. Co Littlefield, Alvord & Co H. B. Hersey J. H. Robinson J. C. Parker W. F. R. Phillips, et al	do	21.0
	Michigan Central R. R. Co	do	13.7
	H P Horson	Traveling expenses	16. 7 37. 1 26. 0
	J. H. Robinson	do	26.0
	J. C. Parker	Paper, etc	428.5
	W. F. R. Phillips, et al	Pay roll, climatology	465.6
	Jno. P. Church, et al	Printing office	, Oб, U
ept. 5	J. H. Robinson J. C. Parker W. F. R. Phillips, et al Jno. P. Church, et al M. G. Copeland Co. W. B. Moses & Sons M. Du Perow do Woodward & Lothrop do do do do	do Paper. etc Pay roll. climatology Printing office Answering pennant Table Electric bells Switch board Oak stand Muslin	1.7 11.5
	M. D. Moses & Solls	Electric hells	10.4
	do	Switch board	6.6
	Woodward & Lothrop	Oak stand	5.1
	do	Muslin	11.5
	do	Oak desk Office furniture	24.5
	do	Only dools	85.7 24.5
	do	Oak desk Office furniture	69. 7
	do do do	Oak wardrobe	8.5
	do	Oak wardrobe Furniture	5.9
	do	Oak wardrobe Soap, buckets, and baskets	8.5
	do	Soap, buckets, and baskets	123.
	do	Ash table Office furniture	5. 0 20. 8
	do	Desk	27.
	do Walter Scott & Co do	Desk Printing material	27.5 30.0
	do	Repairing lithograph press	75.2
	Fred Geiger	Repairing chairs	2. 2.
	I. F. Willoughby	Lever for proces	2.
	T. N. Kendler L. F. Willoughby J. E. Janssen	Scuttle, wrench, etc.	2.3 1.3
	J. E. Janssen H. E. Clark D. M. Hogsett G. H. Cobleigh Ed. Kingsbury E. D. Ballinger Pacific Metal Works	Printing material Repairing lithograph press Repairing chairs Repairing typewriter Lever for press Scuttle, wrench, etc Window shades Glass for map frames Window glass Glass for map frames	13. 5
	D. M. Hogsett	Glass for map frames	17.0
	G.H. Cobleigh	Window glass	9, 5
	Ed. Kingsbury	Glass for map frames	18. 3
	Pacific Metal Works	Stereotype metal	15. 5 18. 8
	do	do	8.0
	Bass & Harbour Furniture and Carpet Co.	Window shades	11.7
	do Bass & Harbour Furniture and Carpet Co- W. D. Miller J. L. Smathers & Son E. R. Mason M. F. Brown	do Stereotype metal	9.4
	J. L. Smathers & Son	Window shades	13.4 3.0
			21

Date.	Name.	Nature of payment.	Total.
1902.			
ept. 5	The Williams & Rogers Co "Maud S." Wind Mill and Pump Co Pew & Dryburgh The Pennsylvania R. R. Co Maine Central R. R. Co Seaboard Air Line Rwy F. H. Winter	Window shades	\$9. 35. 48.
	"Maud S." Wind Mill and Pump Co	Moving instruments, etc	35.
	Pew & Dryburgh	Constructing walk on roof	48.
	The Pennsylvania R. R. Co	Passenger transportation	18.
	Maine Central R. R. Co	do	14.
	Seaboard Air Line Rwy	Installing charts and construct-	8. 29.
	F. H. Winter	Installing charts and construct-	29.
	The J. C. Ergood Co	Flour, rye and wheat Painting instrument shelter	1.
	D. M. Hogsett	Painting instrument shelter	5.
	Josiah Conover	Repairing doors and shelves	9.
	The J. C. Ergood Co. D. M. Hogsett Josiah Conover The Schoepfle Manufacturing and Lumber Co.	Glass, etc	14.
	ber Co.  R. S. Tebbutt  Montgomery & Grand (in liquidation)  Machado & Roller  P. F. Byrne  McKay & Farr  Philip Prioleau  E. A. While  H. L. Larsh & Co.  C. E. Lobrson	Repairing instrument stand	4.
	Montgomery & Grand (in liquidation)	Repairing instrument stand. File case Pocket voltmeter Running levels Laying cable, etc Running levels Resetting flagstaff Painting instrument shelter Horse by	51.
	Machado & Roller	Pocket voltmeter	44.
	P. F. Byrne	Running levels	10.
	McKay & Farr	Laying cable, etc	12.
	Philip Prioleau	Running levels	20.
	E. A. While	Resetting Hagstaff	. 20.
	H. L. Larsh & Co	Painting instrument shelter	8.
	V. E. JOHNSON	Horse nire	.2.
	A mariana Waiting Walting Co	Electrical supplies	20. 20.
	Mooley Floatrie Co	Horse hire Electrical supplies Typewriter stand and paper Insulators	71. 18.
	Fhorbard Fabor	Files	18. 38.
	Horman Raumgartar	Rubber stame	9.
	H. L. Larsh & Co C. E. Johnson National Electrical Supply Co American Writing Machine Co Neeley Electric Co Eberhard Faber Herman Baumgarten J. Stainer R. P. Andrews & Co. (Incorporated) Otto Martin & Co Philip Lindemeyer Flint & Walling Manufacturing Co do W. H. Branigan Morris L. Negus Peter Gray	Insulators Files Rubber stamps Attaching charts to wall Paper Scraper leather Cardboard Section of tower, etc Towers and lantern shelters Remaining telegraph line	1.
	R P Andrews & Co (Incorporated)	Paper	1 118
	Otto Martin & Co. (Incorporated)	Saranar leather	1,110.
	Philip Lindemeyer	Cardboard	2. 22. 37. 596.
10	Flint & Walling Manufacturing Co	Section of tower etc	37
10	do	Towers and lantern shelters	596
	W H Branican	Repairing telegraph line	2.
	Morris L. Neous	Erecting anemometer supports.	10.
	Peter Gray	Brass clamp	3.
	Southern Printers' Supply Co	Grippers	15.
	Peter Gray Southern Printers' Supply Co. Campbell Printing Press and Manufactur- ing Co.	Brass clamp Grippers Press board	9.
	Thos. Somerville & Sons	Albany grease	10.
	F. G. Wayne	Glass, etc.	19. 10.
	F. G. Wayne Robt. Tyler	1 I I I I I I I I I I I I I I I I I I I	10.
	B.M. Lee	ports. Running levels	6.
	W. D. Miller	Erecting platforms, wind vane,	95.
	W. 15. Billiot	o.t.o	00.
	Chas Eneu Johnson & Co	Printing ink	102.
	Chas. Eneu Johnson & Co. The Henry Walke Co. Syracuse Architectural Iron Works	Printing ink Jewelers' saws Constructing iron ladder	1.
	Syracuse Architectural Iron Works	Constructing iron ladder	1. 37.
	Trimble & Lutz Co.	Extending river gauge	35.
	The Hammatt Contracting Co	Erecting tower	75.
	C. H. Phelps	Repairing clock	2.
	J. A. Melton	Tables and chair	9.
	Rudolph, West & Co	Tacks and staples	7.
	Mackall Bros	Soap	128. 6.
	Julien P. Friez	Repairing triple register	6.
	Syracuse Architectural Iron Works Trimble & Lutz Co The Hammatt Contracting Co C. H. Phelps J. A. Melton Rudolph, West & Co Mackall Bros Julien P. Friez R. C. Evans Evans & Meekins	Constructing from ladder Extending river gauge Erecting tower Repairing clock Tables and chair Tacks and staples Soap Repairing triple register Office rent Station expenses Type	8.
	K. C. Evans Evans & Meekins American Type Founders Co Mangrum & Otter (Incorporated) The American News Co O. D. Thompson Gick & Sayles J. H. Schumacher The Geo. R. Butler Co.	Station expenses	13.
	American Type Founders Co	Type Sheet zinc Celluloid folders Glass, etc	14.
	Mangrum & Otter (Incorporated)	Sheet zinc	19.
	The American News Co.	Class sta	9.
	O.D. Thompson	Glass, etc	17. 16.
	T H Cahumpahan	do	10.
	The Goo P. Putler Co.	Removing wind instrument Making file case	24.
	U I Croon	Panairing thermometers	22. 27. 48.
	The Webb C Ball Co	Repairing thermometers Cleaning barograph clock	1.
	The Geo. R. Butlet Co H. J. Green The Webb C. Ball Co Schroeder & Dickinson Wyckoff, Seamans & Benedict Maine Central R. R. Co	Repairing furniture	16
	Wyckoff, Seamans & Renedict	Renairing tynewriter	16. 15.
	Maine Central R. R. Co	Repairing typewriter Passenger transportation	4.
	The Crescent	Rugs	55.
	The Crescent W. G. Doyle Lorick & Smith J. M. Bennetts	Rugs Painting office signs	9.
	Lorick & Smith	Dravage	8.
	J. M. Bennetts	Repairing instrument shelter	5.
	E. D. Beattie	Drayage Repairing instrument shelter Printing climate and crop bul-	36.
		letins.	
	The Grote Rankin Co	Office chairs	14.
	Ben Moore New York substations The Hammott Contracting Co.	Repairing instrument shelter Pay roll	4. 35.
	Now Vouls ambatation		

ate.	Name.	Nature of payment.	Total.
902.			
t. 11	The Hammott Contracting Co	Flagstaff and erecting same	\$50. 64.
	The Hammort Contracting Co Evans & Meekins.  do Havre Furniture Co H. A. Poole L. F. Devton	Team hire  do Office chairs	48.
	Havre Furniture Co.	Office chairs	13.
	H. A. Poole.	Office chairs Horse hire Hire of horse and buggy Repairing typewriter Stoves, etc Erecting flagstaff Wood Cabinet typewriter Repairing instrument shelter do Team hire	3. 2.
	J. E. Denton Wyckoff, Seamans & Benedict	Repairing typewriter	13.
	Pier Hardware Co. Morse & Land	Stoves, etc	82. 30.
	Morse & Land	Wood Wood	4
	M. Cotter E. E. Cleaveland Furniture Co Joe Fuller	Cabinet typewriter	22. 1. 48.
	Joe Fuller	Repairing instrument shelter	1.
	N. A. Devereaux Fred Forest J. H. Cunningham	Team hire	10.
	J. H. Cunningham	The state of the state of the state of the state of	18.
	J. H. Cunningnam W. T. Jarvis H. J. Bool H. W. Flower	Oil, kerosene	11. 4.
	H. W. Flower	Erecting screen Painting instrument shelter	9.
	G. W. Gordon Dorris Heyman Furniture Co Walsh & Bland Clark & Davenport	Installing table Window shades, etc Cabinet	20.
	Dorris Heyman Furniture Co	Window shades, etc	48. 43.
	Clark & Davenport	Carpet	87.
	do	Carpetdo	65.
	Flint & Walling Manufacturing Co	Repairs for tower	3. 2.
	E. H. Emery	Furniture and cards	20.
13	A.J. Henry	Traveling expenses	19. 3.
	E. H. Emery	do	3. 12.
	T. L. Bridges	do	14.
	G.E. Lawton	do	12.
	J. W. Cronk	do	. 45. 33.
	A. H. Thiessen	do	10.
	W. S. Palmer	do	£8,
	Clark & Davenport do Flint & Walling Manufacturing Co R. Hoe & Co E. H. Emery A. J. Henry E. H. Emery Louis Dorman T. L. Bridges. G. E. Lawton J. W. Cronk L. G. Sutton A. H. Thiessen W. S. Palmer I. M. Cline A. H. Thiessen	do	23. 43.
	W. S. Palmer	do	40.
	A.H. Thiessen W. S. Palmer J. L. Bartlett E. H. Emery	do	13.
	E. A. Brown T. F. Townsend H. C. Frankenfield Louis Dorman	do	7. 10.
	T.F. Townsend	do	5.
	H. C. Frankenfield	do	274.
	Louis Dorman	do	21. 9.
	Louis Dormando S.S. Bassler Clark & Davenport The J. C. Ergood Co Noble & Roempke H. A. Drinkwater The Evans Burke Lumber Co The Colorado Southern Rwy. Co Rudolph, West & Co H. Baungarten M. Du Perow	Repairing river gauge	3.
	Clark & Davenport	Carpet and linoleum	161. 4.
	Noble & Roempke	C.eaning barograph clock	1.
	H. A. Drinkwater	Carpet and linoleum Stove polish Ceaning barograph clock Repairing telegraph line Glass and setting same Passenger transportation Halyards.etc Rubber stamps Battery brushes Tape Typewriter Milhographs Repairing telegraph line do Anemometer vanes Stereotype block Battery parts	10.
	The Evans Burke Lumber Co	- Glass and setting same	12. 29.
	Rudolph, West & Co	Halvards, etc	149.
	H. Baumgarten	Rubber stamps	1.
	M. Du Perow	Tane	13. 14.
	American Writing Machine Co	Typewriter	72.
	F. A. Schmidt	Milliographs.	150.
	B J Sherry	Repairing telegraph line	1. 4.
	Queen & Co. (Incorporated)	Anemometer vanes	18.
	F. Wesel Manufacturing Co	Stereotype block	3.
	H. Baumgarten M. Du Perow do. American Writing Machine Co. F. A. Schmidt A. J. White B. J. Sherry Queen & Co. (Incorporated) F. Wesel Manufacturing Co The Waterbury Battery Co. L. C. Stakes Julien P. Friez do	Stereotype block Battery parts Pepairing telegraph lines Base plates Thermometer supports Th-rmographs Anemometers, wind vanes, etc.	50. 2.
	Julien P. Friez	Base plates	39.
	do	Thermometer supports	127.
	do	Anemometers, wind vanes, etc.	167. 1,941.
	do	do	450.
	do	Venhoscope plates	3, 500. 21
	do	Thermographs	21. 100.
	Southern Rwy. Co.	Passenger transportation	18.
	Star Union Line	Preight charges	:
	Wm.J. Crawford	do	2.
1.	do do do do do do do Southern Rwy. Co Star Union Line S. C. Dooley Wm. J. Crawford E. H. Emery J. H. Kimball A. H. Thiessen Delaware, Lackawanna and Western Rwy	do	6.
15	J. H. Kimball	Subsistence	31.
	11. 11. 1 H16396H		12. 4.

Date.	Name.	Nature of payment.	Total
1902.			
pt. 15	Great Northern Rwy	Passenger transportation	\$2? 2,281 717 389 364 10
1	John C. Parker dodo	Paper and blank books	2,281
	do	Paper and blank books	717
	do	Linen paper Pencils, penholders, pens, etc	389
	dodo Disbursing clerk, Post-Office Department. Evans & Meekins	Pencils, penholders, pens, etc	364
17 19	Disbursing clerk, Post-Office Department.	Post-route maps. Messenger service.	10
19	Evans & Meekins	Messenger service	17
	Chicago Milmonko and C4 David Dava Ca	Station supplies	10
	The Orogen Pailroad and Navigation Co.	rassenger transportation	17 6 12 27
	do Chicago, Milwaukee and St. Paul Rwy. Co The Oregon Railroad and Navigation Co New York, New Haven and Hartford R. R.	Station supplies Passenger transportation. do do do	9
	Co.		
	Norfolk and Washington Steamboat Co	do	3
	Manitou Steamship Co	do	. 8
	L. G. Sutton	Repairing telegraph line	2
	H.C.Bate	Horse hire, cartage, etc	2
	Norfolk and Washington Steamboat Co Manitou Steamship Co L. G. Sutton H. C. Bate J. C. Entwistle	Engraving chart	7
	ao	Horse hire, cartage, etc. Engraving chart do Belt, zinc, hardware, etc	7
	J. B. Lambie	Belt, zinc, hardware, etc	27
	Standard Oil Co Hansen Glass and Paint Co	Glass and setting same	11 12
	Addressorranh Co	Type legetypes etc	57
	Addressograph Co John Wanamaker	Rug	30
	M. Marcus	Type,logotypes,etc Rug Repairing river gauge Paper, ink, pads, etc	40
	D. F. Parker	Paper, ink, pads, etc.	3,464
	J. H. Cunningham	Laying carpet Office rent	5
	C. H. Beverley	Office rent	26
	John Heffernan American Type Founders Co E. C. Fuller & Co	Ice	4
	American Type Founders Co	Algebraic signs	1
	W. F. Doy	Erecting instrument shelter	4
	W.E.Day Talbott & Hubbard  B. P. Andraws & Co. (Incorporated)	Glass, etc	22
	R. P. Andrews & Co. (Incorporated)	Paper	694
	R. P. Andrews & Co. (Incorporated) Keuffel & Esser Co.	Paper Printers' supplies, etc Glass	38
	C. H. Krebs & Co	Glass	10
	American Writing Machine Co	Repairing typewriter	2
	C. H. Krebs & Co American Writing Machine Co American Type Founders Co	Script type	1.
	P. Kennedy	Castings	15
	H. I. Wood	Electric fan	18
	Z.D. Gilman The Waterbury Battery Co.	Sponge Battery recharges, etc	1,558
	John Underwood & Co	Paper, carbon	78
	Slater Price Leidig Co	Dictionary stand	2
	Eberhard Faber	Pencils	77
	Eberhard Faber The Williams Rodgers Co The Pain Manufacturing Co	Pencils. Water cooler and stand	(
	The Pain Manufacturing Co	Signal rockets	68
		Copying ink Binding weather maps Sash cord Clock movement	7
	The William Schake Book Bindery	Such and	į
	G. E. Chase & Co- Columbia Phonograph Co- The Fuchs & Lang Manufacturing Co-	Cleak movement	
	The Fuchs & Lang Manufacturing Co	Lithographic stones	8
	Buechner & Son.	Repairing typewriter	
	Fee & Steward	Oil paint and turnentine	13
22	I. M. Small	Repairing storm-warning lan-	(
	777 77 0.0	terns.	
	Wm. Neuman & Co	Replacing electric lamps in	5
	C. F. Boyd	tower.	9
	E. A. Slack	Painting river gauge Printing climate and crop re-	24
	E. A. Slack	ports.	
	C. E. Stonaker	Traveling expenses	4
	A. H. Thiessen	do	11
	E. A. Evans	do	6
	A. C. Pickels	do	1.
	F.I. Walz	do	1 1 20
	M.J. Driscoll	do	ŧ
	M.J. Driscoll Thos. Crawford Norman B. Conger	do	10 13
	C F von Herrmann	do	
	C. F. von Herrmann H. J. Cox	do	18
	W.T.Blythe	do	32
	B. C. Kadel	do	8
	B. C. Kadel Southern Rwy. Co	Passenger transportation	24
	Maine Central R. R. Co	do	24
	Maine Central R. R. Co	do	1
	Chand Thursk Para	do	24
	Grand Trunk Rwy Norfolk and Western Rwy. Co Lake Shore and Michigan Southern Rwy.	do	74

te.	Name.	Nature of payment.	Total.
1902. ept. 22	Portland and Rumdorf Falls Rwy Atchison. Topeka and Santa Fe Rwy. Co D. Swinehart B. J. Sherry A. Jacobus W. D. Miller C. R. Edmonston E. Manyison Paper Co.		
	Portland and Rumdorf Falls Rwy	Passenger transportation	\$3.
	Atchison. Topeka and Santa Fe Rwy. Co	Too	34. 5.
	Atcheson. Topekaand Santa Fe Rwy. Co D. Swinehart B. J. Sherry A. Jacobus W. D. Miller C. R. Edmonston E. Morrison Paper Co G. H. Wear	Renairing telegraph line	3.
	A. Jacobus	Painting instrument shelter	10.
	W.D.Miller	Services	3.
	C. R. Edmonston	Glasses	117.
	C.R. Edmonston E. Morrison Paper Co G. H. Wear H. Paddock & Co Eimer & Amend J. T. Myers. Bennett & Son J. H. Kimball L. J. Baker H. B. Hersey A. H. Thiessen R. G. Allen W. A. Mitchell M. W. Hayes Louis Dorman H. C. Bate S. S. Bassler	Removing office	4.
	H. Paddock & Co	Painting flagstaff	3. 1.
	Eimer & Amend	Repairing burette	1.
	J. T. Myers	Cleaning office	10.
	J H Kimball	Subsistence	5. 31.
	L.J. Baker	Service	3.
	H.B.Hersey	Traveling expenses	40.
	A. H. Thiessen	do	12. 11.
	W 4 Mitchell	do	20.
	M. W. Hayes	do	26.
	Louis Dorman	do	40. 7.
-	H. C. Bate	do	3.
	Ahe Wiesner	do	12
	H. C. Bate S. S. Bassler Abe Wiesner A. H. Robinson R. P. Andrews & Co. (Incorporated) do W. B. Moses & Sons J. B. Lambie R. C. Ballantyne Parsons Bros The Vellaum Box Lumber Co Will E. Matheis Co	do	12. 42.
	R.P. Andrews & Co. (Incorporated)	Paper	151.
	do	do	73. 5. 3.
	W. B. Moses & Sons	Typewriter chair	ə. 3
	R. C. Ballantyne	Stationery supplies	346.
	Parsons Bros	Cardboard	21.
	J. B. Lambie R. C. Ballantyne Parsons Bros The Vellaum Box Lumber Co Will E. Matheis Co Western Union Telegraph Co The Bunnell Telegraph and Electrical Co The Pennsylvania R. R. Co. Pacific States Telephone and Telegraph Co corvallis and Eastern R. R. Co Rising Sun Telegraph Line Corvallis and Eastern R. R. Co Abe Wiesner N. M. Cunningham A. Zanpone	Shelving	10.
	Will E. Matheis Co	Cleaning carpet	· 6. 20.
	The Bunnell Telegraph and Electrical Co	Telegraphic supplies	120.
	The Pennsylvania R. R. Co.	Passenger transportation	120. 30. 10.
	Pacific States Telephone and Telegraph Co.	Telegraph services	10.
	Corvallis and Eastern R. R. Co	do	2.
	Corvallis and Eastern R. R. Co.	do	2. 2. 2.
	Abe Wiesner	Knurl wheels	10.
	N. M. Cunningham	Ice. laying carpet, etc	§.
30	Abe Wiesner N. M. Cunningham A. Zappone Alabama and Georgia Long Distance Tele-	Traveling expenses	8. 7. 3.
90	phone Co.	Telephone services	ο.
	phone Co. Alabama, Mississippi and Tennessee Telephone Co.	do	6.
	phone Co.		
	Homo Tolophono Co	do	ti.
	Rising Sun Telegraph Line.	Telegraph services	6. 3. 2. 5. 52.
	Herman Baumgarten	Rubber stamps	5.
	Clark & Davenpert	Carpet	52.
	R I Rolger	Wire neils etc	24.
	Flint & Walling Manufacturing Co.	Irons, bolts, etc	341. 12.
	M. G. Copeland Co	Code flags	35.
	phone Co. do do Home Telephone Co Rising Sun Telegraph Line. Herman Baumgarten Clark & Davenport Woodward & Lothrop B. J. Bolger Flint & Walling Manufacturing Co. M. G. Copeland Co. J. N. Rupp W. E. Matheis Co W. T. & Jno. Barnes Co. Valley Paper Co. National Electrical Supply Co. A. J. Stowe A. J. Roeblings Sons Co. Bazille & Partridge (Incorporated) H. C. Hansen G. L. Lovett Geo. F. Muth & Co. Rudolph, West & Co. Southern Printers' Supply Co. Wolf Bros Chas. E. Johnson & Co F. R. Beahan G. W. Miller & Co E. T. Johnson American Type Founders' Co Chadwick Cobving Book Co	Ink	6.
	W. T. & Ino. Barnes Co	Relt for scroll saw	10. 1.
	Valley Paper Co.	Paper	420.
	National Electrical Supply Co	Connectors	22. 1.
	A. J. Stowe	Paint brushes	1.
	Razille & Partridge (Incorporated)	Glass atc	35. 12.
	H. C. Hansen	Stereotype metal	24.
	G. L. Lovett	Office rent	. 105.
	Rudolph Wost & Co	Brushes, lamp chimneys, etc	192. 87.
	Southern Printers' Supply Co	Chases	21.
	Wolf Bros	Stationery	4. 613.
	Chas. E. Johnson & Co	Printers' ink	187.
	F. K. Beahan	Services	324.
	E. T. Johnson	Subsistence	324. 18.
	American Type Founders' Co	Printers' type, signs, etc	63.
	E. T. Johnson American Type Founders' Co Chadwick Copying Book Co New York Central and Hudson River R. R.	Printers' type signs etc  Letter press books  Passenger transportation	
	New York Central and Hudson River R. R.	Passenger transportation	6.
	Co. The Pullman Co. E. A. Beals		2.

# $Expenditures of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30,1903-Cont'd$

Date.	Name.	Nature of payment.	Total.
1902.			
ept.30	F. G. Erskine	Traveling expenses	\$11.8
	A. Zappone	do	1. 0 19. 0
	r. G. EISKINE A. Zappone E. T. Turner C. A. Blumner W. F. R. Phillips et al Jno. P. Church et al	Tanitanaani	19.0
	W F R Phillips et al	Pay voll climatology	15. 0 522. 0
	Jno. P. Church et al	Printing office	2,714.6
	Total first quarter		41,774.8
	Total first quarter		41,774.0
et. 3	S. M. Martin	Gas-engine launch	455.5
9	Herman Baumgarten Wyckoff, Seamans & Benedict	Gas-engine launch Rubber stamps Repairs for typewriter Charcoal Desk, double flat top Chair, high back Desk, rugs, and door mats Casting for chair Crating map frames Map frames	3.7
	Tohn Moven	Charges!	$\frac{4.7}{1.2}$
	John Moran W. B. Moses & Sons	Desk double flat ton	34.0
	do	Chair, high back	5.9
	do do J. E. Turton	Desk, rugs, and door mats	280. ā
	do	Casting for chair	1.0
	J. E. Turton	Crating map frames	35.0
	M G Copeland	Flags	990. 0 1, 150. 0
	do	Code flags	35.0
	J. E. Turtondo M. G. Copelanddo American Type Founders' Codo Southern Printers' Supply Codo Julien P. Friez. Salt Lake Ice CoG. A. Stump.	Map frames Flags Code flags Type	1.0
	do	do	10.3
	Southern Printers' Supply Co	dodo	62. 1 6.
	Julien P Friez	Instrument parts	44.
	Salt Lake Ice Co	Ice	9.0
	G. A. Stump	Painting instrument shelter	7.
		letins	36.
	Lytle Ice Co John Cooper E. G. Turner	Ice	6.
	John Cooper	Ice Cleaning carpet Painting instrument shelter Erecting wind vane, etc	10.
			9.
	Bundt Carlson		1.
	R. Brandenburg Bundt Carlson Western Newspaper Union. American Linen Supply Co. Louisville Book Co	Recasting rollers	2.
	American Linen Supply Co	Towel service	3.
	Louisville Book Co	Recasting rollers Towel service Railroad map	12.0
	American Linen Supply Co. Louisville Book Co Mather Manufacturing Co. American Writing Machine Co. Frank McDillon Morgans & Wilcox Manufacturing Co. L. A. Midgett F. M. Locke Chase & Roys Union Dock and Coal Co. H. G. Markell	Railroad map Type case Typewriter, New Century Repairing typewriter Cylinder-press locks Painting signal tower shed Insulators	en.
	Frank MaDillon	Pengining typewriter	69. 3.
	Morgans & Wilcox Manufacturing Co	Cylinder-press locks	19.
	L. A. Midgett	Painting signal tower shed	18.
	F. M. Locke	Insulators	2.0
	Chase & Roys	Coat and hat rack	10.0
	H. G. Markell	Moving office and erecting in-	100. 50.
		struments.	
	The H. & W. B. Drew Co	Hanging charts	3. 22. 165.
	E. B. Calvert	Subsistence Office furniture	165
	I. Geverts & Sons. A. H. Kelly		2.
	-	ports.	
	H.J. Bool.	Window shades.	6.
	Paul A. F. Walter, P. M.	Rent of post-office box	1.
	H.J.Bool Paul A. F. Walter, P. M. J. D. Havens Grant Rivenburg J. G. Mack & Co.	Binding chimate and crop reports. Window shades. Rent of post-office box Typewriter stand Ice Carpet Crating bookcase. Zincs Ink mucilage, and broom	4. 2.
	Grant Rivenburg J. G. Mack & Co C. Smith & Sons The Waterbury Battery Co Beardsley & Finney James Norman Rupp Hoke Engraving Plate Co. Walker Evans & Cogswell Co Tampa Electric Co Chicago Telephone Co A. N. Weckler Valley Paper Co. Broderick Bros The Okonite Co. (Limited) C. E. Johnson & Co J. W. Jordan	Carnet	70.
	C. Smith & Sons	Crating bookcase	2.
	The Waterbury Battery Co	Zines	2. 20.
	Beardsley & Finney	Ink, mucilage, and broom	7. 16.
	James Norman Rupp	Ink	16.
	Walker Evans & Coccwell Co	Type	6. 16.
	Tampa Electric Co	Repairing typewriter Electric light and current Telephone services do	13.
	Chicago Telephone Co	Telephone services	15. 3.
	A. N. Weckler	do	3.
	Valley Paper Co.	Paper Rags Copper wire cable	445.
	The Okonite Co. (Limited)	Copper wive cable	$\frac{14.}{624.}$
	C. E. Johnson & Co.	Ink	100
	J. W. Jordan	Repairing cylinder-press roller	3.
	Robert Little	Repairing cylinder-press roller Drayage Copying oil boards	3. 3.
	F.A. Schmidt	Copying oil boards	5.
	C.E. Jointson & Co J. W. Jordan Robert Little F. A. Schmidt J. P. Nawrath	Twine and tape Washing towels Printing climate and crop re-	.120.
	E. L. Knight	wasning towers	1. 27.
	Naggala & Co		
	E. L. Knight Naegele & Co. United States Envelope Co. National Printers' Supply Co.	ports.	332.

Date.	Clark & Davenport Flint & Walling Manufacturing Co. F. O. Stetson E. H. Bowie Idaho Independent Telephone Co. The Colorado Telephone Co. Pennsylvania Telephone Co. Bell Telephone Co. Williston Telephone Exchange West Virginia Western Telephone Co. Southern Bell Telephone Exchange West Virginia Western Telephone Co. Southern Bell Telephone and Telegraph Co. Rocky Mountain Bell Telephone Co. Southern Bell Telephone and Telegraph Co. Southern Bell Telephone and Telegraph Co. Anta Fe Electric Telephone Co. Independent Telephone Co. Independent Telephone Co. Independent Telephone and Telegraph Co. Southern Bell Telephone and Telegraph Co. Moissouri and Kansas Telephone Co. Southern Bell Telephone and Telegraph Co. Southern Telephone Co. Southern Telephone Co. The Southern New England Telephone Co. The Southern New England Telephone Co. The Southern New England Telephone Co. Doitizens' Telephone Co. R. C. Evans Union Trust Building Co. (Limited) Prudential Building Co. Orson Adams, jr E. S. Hughes & Co. A. L. Cook Dent & Butler Wm. Pollman E. W. Daniels Walla Walla Lodge, No. 56, I. O. O. F. A. J. Knight Edgar Harding T. M. Jeffris & Co Tyree & Wilkins, agents Jacob Crocker City of Columbia, S. C. The Gamble Desmond Co. J. E. Dooly H. Wollenberg O. I. Mairs The Citizens' Bank of Norfolk, Va Chicago Auditorium Association Paine Bros Farmers' National Bank of Fresno Otto B. Hart T. B. Catron Kathrina Wagner The Conrad National Bank F. H. Bigelow D. Cuthbertson M. E. Blystone J. L. Bartlett F. H. Brandenburg Warfield & Dann American Surety Co.	Nature of payment.	Total.
1902.			
1902. et. 9	Clark & Davenport	Carpet lining	\$59.9
	Fint & Walling Manufacturing Co	Traveling expense	10. 32. 15.
	E. H. Bowie	do	15.
	Idaho Independent Telephone Co	Telephone services	12.0 12.0 18.0 26.
	The Colorado Telephone Co	do	12.0
	Bell Telephone Co	do	26.
	Williston Telephone Exchange	do	6.
	West Virginia Western Telephone Co	do	4.
	Rocky Mountain Bell Telephone Co	do	12.0 8.1
	Southern Bell Telephone and Telegraph Co.	do	3.
	Lynchburg Telephone Co.	do	3.
	Santa Fe Electric Telephone Co	do	9. 6.
	Rocky Mountain Bell Telephone Co	do	10.
	Independent Telephone Co	do	7. 15.
	The Bell Telephone Co. of Buffalo	do	15. 9.
	dodo	do	15.
	Pacific States Telephone and Telegraph Co.	do	9.
	Missouri and Kansas Telephone Co	do	9.1
	Rocky Mountain Bell Telephone Co	do	12. 15.
	Northwestern Telephone Exchange Co	do	9. 27.
	The Southern New England Telephone Co.	do	27.
	Dodge City Telephone Co	do	5. 3
	Missouri and Kansas Telephone Co	do	3. 18.
	Pacific States Telephone and Telegraph Co.	do	9.
	R C Evens	Office rent	6. 8.
	Union Trust Building Co. (Limited)	do	167.
	Prudential Building Co	do	170.
	Orson Adams, jr	do	170. 120. 95.
	A. L. Cook	do	90.
	Dent & Butler	do	105. 112. 87.
	Wm. Pollman	do	112.
	Walla Walla Lodge No. 56 I O O F	do	84
	A. J. Knight	do	84. 82. 70.
	Edgar Harding	do	70.
	Tyree & Wilkins agents	do	125. 67.
	Jacob Crocker	do	75. 90.
	City of Columbia, S. C.	do	90.
	J E Dooly	do	96. 150
	H. Wollenberg	do	150. 84. 90.
	O. I. Mairs	do	90.
	The Citizens' Bank of Norfolk, Va	do	131. 437. 73.
	Paine Bros	do	73.
	Farmers' National Bank of Fresno	do	94.
	Otto B. Hart	do	24. 105. 75.
	Kathrina Wagner	do	105. 75.
	The Conrad National Bank	do	67.
13	F. H. Bigelow	Traveling expenses	3.
	M. E. Blystone	do	19. 22.
	J. L. Bartlett	do	4.
	F. H. Brandenburg	do	35. 72.
	M. E. Blystone J. L. Bartlett F. H. Brandenburg Warfield & Dann American Surety Co Dyal Upchurch Investment Co J. L. Connefl J. E. Rankin C. P. Meekins The Hayden Co Bank of Tehama County, Cal Bank of Tehama County, Cal B. M. Jacobs The Pennsylvania R. R. Co Seaboard Air Line Rwy Boston and Maine R. R. Columbus Citizens' Telephone Co Southern States Telephone Co Nebraska Telephone Co	do	72. 625.
	Dyal Upchurch Investment Co	do	125. 118. 72.
	J. L. Conness	do	118.
	C. P. Maekins	do	10.
	The Hayden Co.	do	10.0 300.0 .99.0
	Bank of Tehama County, Cal	do	. 99. (
	B. M. Jacobs	Pessonger transportation	30.0
	Seaboard Air Line Rwy	dodo	66. 17.
	Boston and Maine R. R	do	17. 6.
	Columbus Citizens' Telephone Co	Telephone services	10.0

Date.	Name.	Nature of payment.	Total.
1902.			
1902. Oct. 13	Central Union Telephone Co.  The Southwestern Telegraph and Telephone Co.	Telephone servicesdo	\$10.50 7.50
	The San Antonio Telephone Co	do	7.50
	The San Antonio Telephone Co San Antonio Gas and Electric Co	Electric light Electric current Le, laying carpet, etc	6.25
	Lincoln Traction Co	Electric current	13.50
	E. L. Renoe	Leving carpet and painting	18.50 10.25
	Lincoln Traction Co J. R. Williams E. L. Renoe E. H. Nimmo	Laying carpet and painting Washing towels and express charges.	$10.25 \\ 2.30$
	B. Bunnemeyer R. M. Hardinge	charges. Drayage Express charges Drayage Repairing typewriter Lee	3.25
	K. M. Hardinge	Express charges	3.25 2.80
	C. L. Denman	Repairing typewriter	8.00
	C. C. Cover C. L. Denman The Consumers' Co Lone Star Ice Co	Ice	5.00
	Lone Star Ice Co	do	4.50
	Joe Campbell F. Lewis Clark Lutheran Book Concern	Washing towels	2.25
	Luthern Book Concern	Constructing board walk	21.80 3.00
	A. E. Tilden	Cleaning carpet	2.00
	A. E. Tilden Barnhart Bros, & Spindler W. P. Mairs Northwestern Furniture Co	Printing supplies	8.00
	W.P. Mairs	Repairing furniture	5.00
	Northwestern Furniture Co	Repairing instrument stand	26.85
	J. H. Cuningnam	office Syracuse	325.00
	J. G. Gloan P. C. Shaw State Journal Co	Repairing rain gauge Towel service Printing climate and crop re-	1.00
	P. C. Shaw	Towel service	6.00
		ports.	31.20
	Chamberlain Manufacturing Co	ports. Office case	39, 80
	É. C. Sawyer R. G. Sleater	Linoleum and laying same Printing climate and crop re-	67, 60 40, 00
	James Cain	Printing climate and crop reports. Oil, kerosene Painting instrument shelter Painting instrument shelter	
		Painting instrument shelter	.60 6.25 14.20
	H.E.Clark	Laying carpet and linoleum	14.20
	H. E. Clark Electric Supply Co. T. A. Roberts	Repairing cable and switches	12.00
	T. A. Roberts	Repairing clocks	6.00
	Reinhold Twordokus	Distributing	3.35 6.00
	Gust Fosberg	Repairing furniture	18.00
	The J. J. Langever Co	Glass, and hanging charts	14.96
	Scarff & O'Connor Co	Gauge pins	1.24
17	United States Evanges Co	Painting instrument sheiter. Laying carpet and linoleum Repairing cable and switches Repairing clocks Laying carpet Distributing Repairing furniture Glass, and hanging charts Gauge pins Repairing clock Express charges do Cards	$     \begin{array}{r}       1.00 \\       68.81     \end{array} $
1.	do	do	36.05
	Library Bureau	Cards	36. 05 32. 55
	T. A. Roberts H. B. Graves Reinhold Twardokus Gust Fosberg The J. J. Langever Co. Scarff & O'Connor Co. Richard Fysh United States Express Co. do Library Bureau C. M. Osborn	Binding climate and crop reports.	1.60 40.00
	Schneider Bros	Repairing nephoscopes	3.00
	C. G. LeClair The Heliotype Printing Co		3.00 180.00
	The Huron Ice Co	Icedo	3.75 40.50
	J. A. Wells Oklahoma Ice and Cold Storage Co	do	3.56
	(† A v Blucher		4.60
	R. L. Polk L. A. Midgett	Wisconsin Gazetteer Stovepipe and zinc Making inspection case. Repairing typewriter Rubber stamps Rockrases	5.00
	L.A. Midgett	Stovepipe and zinc	10.00
	E.J. Davis	Making inspection case	5.50
	The Brown, Eager & Hull Co	Repairing typewriter	8. 45 2. 09 23. 70
	W. B. Moses & Sons	Bookcases	23.70
	E. J. Davis The Brown, Eager & Hull Co. Herman Baumgarten W. B. Moses & Sons The S. B. Hubbard Co J. B. Lambie C. B. Little S. P. Sedon	Bookcases Repairing rain gauge File handles, etc Water supply Fine land	. 25 3. 60
	J. B. Lambie	File handles, etc	3.60
	C. B. Little	Water supply Fire brick	$11.00 \\ 1.25$
	S.B. Sedon	Fire brick Instrument shelters	225.00
	G.C.Upright	Laying carpet	1.82 9.00
	D.F. Parker	Mimeograph frames	9.00
	J.J. Gorman	Repairing typewriter	5.85
	Tatterson Transfer Co	Washing towels	2.00 3.00
	S. B. Sedon J. E. Turton G. C. Upright D. F. Parker J. J. Gorman Patterson Transfer Co J. F. Beek Baltimore Towel Supply Co J. T. Myers R. J. McMaster Catherine Ryan Annapolis Gas and Electric Light Co Green Bay Light and Power Co Improvement Loan and Trust Co	dodo	2.25
	J. T. Myers	Janitor service	15,00
	R.J. McMaster	Storm-warning display man	15.00
	Catherine Ryan	Janitor service	12.00 9.00
	Green Bay Light and Power Co	do	3.00
	T T T T T T T T T T T T T T T T T T T	3 -	8.75

te.	Name.	Nature of payment.	Total.
 12.			
17	People's Gas and Electric Co. of Oswego E. A. Born E. A. Hughes Grand Haven City Electric Light Co Georgetown Electric Co. Charleston Railway, Gas and Electric Co do The Raleigh Electric Co. The Milwaukee Electric Railway and Light Co.	Electric light	\$4. 27.
	E. A. Born	do	9.
	Grand Haven City Floatric Light Co	do	9.
	Georgetown Electric Co	do	8.
	Charleston Railway, Gas and Electric Co	do	8. 8.
	do	Electric current	8.
	The Raleigh Electric Co	do	8. 4.
	The Milwaukee Electric Railway and	do	4.
	Light Co.	,	
	Cumberland Electric Light and Power Co.	do	15.
	Light Co. Cumberland Electric Light and Power Co. Max Levy. Indianapolis Light and Power Co. Edison Sault Electric Co. Buffalo Gas Co. Johnson & Johnson Samuels Transfer Co. W. R. Nifong Board of public works Galveston Gas Co. Nashville Gas Co.	CO	30. 18.
	Edison Soult Floatric Co	Electric light	11.
	Ruffalo Gas Co	Gae	5.
	Johnson & Johnson	Ice	3.
	Samuels Transfer Co.	Dravage	
	W. R. Nifong	Ice	3.
	Board of public works	Water supply	3.
	Galveston Gas Co	Gas	9.
	Nashville Gas Co	do	8.
	Board of public works Galveston Gas Co Nashville Gas Co A. A. Finck	Printing climate and crop bul-	22.
	The R. L. Reven Co.	do	56.
	The R. L. Bryan Co The Garrett Printing Co John Longstaff Times-Journal Publishing Co	do	
	John Longstaff	do	55. 45.
	Times-Journal Publishing Co	do	19.
	Vicksburg Herald	do	49.
	Clem Jaycocks	Ice	9.
	Standard Gas and Electric Co	Gas	13.
	Nashville Laundry Co	Towel service	1.
	A. Klein	Washing towels	2.
	Mary Fantleroy	do	1.
	The Silver State Towel Supply Co	do do	1. 3.
	C A Johnson	Washing towals	3.
	The American Toilet Supply Co	Towel service	9.
	Kentucky Steam Laundry	Washing towels	2. 1.
	M. A. Graham	do	1.
	B. L. James	Painting office walls, etc	35. 6.
	Thos. E. Brownson	Cleaning carpet	6.
	L. H. Damgerfield	Drayage	2.
	G. N. Wilson	Office vent	1. 109.
	C M Reason	do	88.
	Henry Rolton	do	52.
	Indianapolis Gas Co.	do	256. 57.
	O. I. Taylor	do	57.
	Binghamton Telephone Co	Telephone service	7.
	Ontario Telephone Co.	do	15.
	Missouri and Kansas Telephone Co	do	6.
	Control Union Tolombono Co	do	30.
	John Longstaff Times-Journal Publishing Co- Vicksburg Herald. Clem Jaycocks Standard Gas and Electric Co- Nashville Laundry Co- A. Klein Mary Fantleroy M. K. Weems & Co. The Silver State Towel Supply Co. C. A. Johnson The American Toilet Supply Co. Kentucky Steam Laundry M. A. Graham B. L. James Thos. E. Brownson L. H. Daingerfield G. N. Wilson G. S. Waife C. M. Beeson Henry Bolton Indianapolis Gas Co. O. I. Taylor Binghamton Telephone Co Ontario Telephone Co Ontario Telephone Co Central Union Telephone Co New Telephone Co. Southwestern Telegraph and Telephone Co. Maryland Telephone and Telegraph Co. Maryland Telephone and Telegraph Co. Maryland Telephone and Telegraph Co.	do	10.
	Southwestern Telegraph and Telephone	do	10. 15.
	Co.		10,
	Maryland Telephone and Telegraph Co. Cumberland Telephone and Telegraph Co. The Beil Telephone Co. of Philadelphia The City and Suburban Telegraph Asso-	do	14.
	Cumberland Telephone and Telegraph Co.	do	12. 20.
	The Beil Telephone Co. of Philadelphia	do	
	The City and Suburban Telegraph Asso-	do	21.
	Fayette Home Telephone Co. Mississippi Valley Telephone Co. Southern Bell Telephone and Telegraph	do	4.
	Southow Poll Tolophone and Tolograph	do	6. 8.
			0.
	Wisconsin Telephone Co	ob	12.
	Columbia Telephone Co	do	6.
	Wisconsin Telephone Co. Columbia Telephone Co. Sunset Telephone and Telegraph Co. E. T. Broadwater Southwestern Telegraph and Telephone	do	6.
	E. T. Broadwater	do	7. 21.
	Southwestern Telegraph and Telephone	do	21.
	CO.	a.	_
	Chicago Tolophono Co	do	2. 57.
	Co. E. S. Allen Chicago Telephone Co Michigan Telephone Co The Southwestern Telegraph and Telephone Co. The Coloredo Telephone Co	do	57.
	The Southwestern Telegraph and Tele-	do	4. 12.
	phone Co.		16.
	The Colorado Telephone Co- Southern Bell Telephone and Telegraph	do	13
	Southern Bell Telephone and Telegraph	do	7.
	Co.		

# $Expenditures of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30, 1903-{\bf Cont'd}.$

Date.	Name.	Nature of payment.	Total.
1902.			
Oct. 17	Louisville Home Telephone Co Cumberland Telephone Co Southern Bell Telephone and Telegraph	Telephone service	\$12.00 21.00 12.00
	Cumberland Telephone Co	do	21.00
			12.00
	Palestine Telephone Co. W.S. Rowe The Gordon Telephone Co. Southern Bell Telephone and Telegraph	do	9.00
	W. S. Rowe	do	3.00
	The Gordon Telephone Co	do	9.00
	Co.	ao	15.00
	The Northwest Telephone Exchange Co	do	18.00
	The Northwest Telephone Exchange Co Southern Bell Telephone and Telegraph	do	9.00
	Co.	3-	= 0
	Co. Consolidated Telephone Co. East Tennessee Telephone Co. Rocky Mountain Bell Telephone Co. New York and Pennsylvania Telephone and Telegraph Co. Zenith City Telephone Co. The Union Telephone Co. The Consolidated Telephone Co. of Penn- sylvania	do	5.00 9.00
	Rocky Mountain Bell Telephone Co	do	9.00
	New York and Pennsylvania Telephone	do	7.50
	and Telegraph Co.	3	
	The Union Telephone Co	00	7.50
	The Consolidated Telephone Co. of Penn.	do	6. 25 9. 00
			0.00
	Chesapeake and Potomac Telephone Co. of	do	31. 25
	Baltimore.	a_	0.00
	Duluth Telephone Co.	do	9.00 12.50
	Black Hills Telegraph and Telephone Co	do	21.00
	Michigan Telephone Co.  Duluth Telephone Co.  Black Hills Telegraph and Telephone Co  New England Telephone and Telegraph	do	29.00
	Southern Bell Telephone and Telegraph Co.	do	7.50
	Cumberland Telephone and Telegraph Co.	do	16.50
	H. F. Alciatore	Traveling expenses	14.30
1	E.C. Linney	do	. 66.86
	S. M. Blandford	do	40.00
	H S Cole	do	3.05 14.95
	C.S. Wood	do	10.00
	E. A. Evans	do	5. 50
22	A. Zappone	do	44. 20
22	Rudolph West & Co	Conner tacks	34.05
	American Type Founders Co	Type	4.80 4.33
	do	Algebra signs	. 72 45. 85
	W. B. Moses & Sons	Desk and bookcase	45.85
	Raker & Co	Platinum wire	8.20 11.51
	Queen & Co. (Incorporated)	Sunshine recorders	150.00
	John Moran	Gas-pipe straps	1. 25 3. 00
	F. M. McKeough	Recasting rollers	3.00
	Co. Cumberland Telephone and Telegraph Co. H. F. Alciatore. E. C. Linney S. M. Blandford J. W. Smith H. S. Cole C.S. Wood. E. A. Evans A. Zappone C.D. C. Thompson Rudolph, West & Co American Type Founders Co. do W. B. Moses & Sons do Baker & Co Queen & Co. (Incorporated) John Moran F. M. McKeough Stafford Bell C. H. Roland C. P. Sabecock	ice Repairing typewriter Drayage	3, 25 3, 00
	C. P. Babcock	Repairing typewriter	
	McCormick & Bates	Drayage	1.00
	Stafford Bell. C. H. Roland C. P. Babcock McCormick & Bates. Talbot & Hubbard Stoll & Thayer Co J. B. Taylor Joe Coley James Kelly The Union Ice Co Baltimore Ice Co T. B. Satterwhite & Co H. G. Whitman	Glass	2.75
	J. B. Taylor	Renairing typewriter	19.00
	Joe Coley	Repairing telegraph line	4.75 2.50
1	James Kelly	Ice	9.20
	The Union Ice Co	do	9.10
	T B Settorwhite & Co	do	3, 95 3, 95
1	H G Whitman	Table telegraph climbers, rub-	3, 95 17, 55
		ber gloves. Paper	
	R.P. Andrews & Co. (Incorporated)		975.00
	U F Down		95. 22 1. 35
	John Lang	Repairing telegraph line	1. 35 2. 50
	do H. E. Darr John Lang J. H. Ledoux	Drinking water	0. 53
	H. A. Drinkwater	Repairing telegraph line	5, 00 90, 00
	H. A. Drinkwater The E. T. Burrows Co Dygert & Son	Repairs to wind vane Repairing telegraph line Drinking water Repairing telegraph line Screen and placing same Binding climate and crop re-	90.00 65.00
	D. R. Holden	ports. Erecting instrument shelter, etc. Printing climate and crop re-	225.00 101.50
	D. R. Holden Statesman Printing Co	Printing climate and crop re-	101.50
	J. W. Frederickson	ports.	9.00
	A VV P PROPERTY KSOTI	Ice	9.00
	Consumers Ice Co	do	3, 95
	Consumers Ice Co Addressograph Co E. J. Pullman J. W. Eagleson	do Type and logotype Carbon paper, etc	3, 95 192, 14 4, 85

Expenditures of Department of Agriculture for year ending June 30, 1903—Cont'd,

GENERAL EXPENSES, WEATHER BUREAU—Continued.

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190 Oct.

Name,	Nature of payment.	
E. H. Bacon The Model Drug and Jewelry Co. Z. D. Gilman Flint & Walling Manufacturing Co. W. B. Lount W. H. L. Smith C. E. Johnson A. M. Adie H. A. Poole W. G. Howard Inland Type Foundry Geo. Meier & Co. G. J. Mueller Duluth substations Norfolk substations Norfolk substations New Haven substations W. T. Turbeville J. Lawrence J. J. Cason H. L. Holden A. V. Landgraf. Arthur Jordan J. W. Geraty D. W. King Dora Moven Fowler Manufacturing Co. (Limited) M. T. Hayden Omaha Towel Co F. O. Bill Mill Valley and Mount Tamalpais Scenic Rwy, L. P. Bolton		
E. H. Bacon	Painting instrument shelter	
The Model Drug and Jewelry Co	Dubbon tubing	j
Z. D. Gilman Flint & Walling Manufacturing Co	Supports for instrument shelter	į
W B Lount	Tee	1
W H H Smith	Repairing telegraph line	
C. E. Johnson	Horse hire	
A. M. Adie	do	
H. A. Poole	do	
W. G. Howard	Ice	
Inland Type Foundry	Туре	
Geo. Meier & Co	Gum arabic	
G. J. Mueller	Glucose	18
Duluth substations	Pay roll	10
Nortolk substations	do	10
W T Turbeville	Storm-warning display man	j
J Lawrence	do	2
J. J. Cason	do	2
H. L. Holden	do	2
A. V. Landgraf	do	]
Arthur Jordan	Cleaning office	. ]
J. W. Geraty	Storm-warning display man	-
D. W. King	Washing towels	
Dora Moyen	do	
M. T. Harden	Washing towals	
Omaha Towal Co	washing towers	
F O Bill	do	
Mill Valley and Mount Tamalpais Scenic	Cleaning office	]
Rwy. J. P. Bolton		
J. P. Bolton	Telephone service	2
New Orleans Lighting Co., lessee	Gas	
Peoples' Gaslight and Coke Co	do	
Consolidated Gas Co. of Baltimore City	do	ā
Rwy,  P. Bolton New Orleans Lighting Co., lessee Peoples' Gaslight and Coke Co. Consolidated Gas Co. of Baltimore City Bennett Printing House  Kansas Farmer Co E. H. Hamann Acme Publishing Co. Summers Printing Co. Detroit and Mackinac Rwy. Co A. Booth & Co. Union Pacific R. R. Co. Michigan Central R. R. Co. Baltimore and Ohio R. R. New York Central and Hudson River R. R. Co.	Printing climate and crop bul-	ė
Vancas Farmer Co	de de	4
F H Hamann	do	Š
Acme Publishing Co	do	4
Summers Printing Co.	do	4
Detroit and Mackinac Rwy. Co	Passenger transportation	
A. Booth & Co	do	1
Union Pacific R. R. Co.	do	€
Michigan Central R. R. Co	do	ź
Baltimore and Ohio R. R.	do	7.
New York Central and Hudson River R. R.	do	
Co. Burlington and Missouri River R. R. in	do	2
Nebraska.	do	,
Denver and Rio Grande R R Co	do	ź
Rio Grande Western Rwy, Co	do	5
Rio Grande Western Rwy. Co. The United Electric Light and Power Co. Minneapolis General Electric Co. Fort Smith and Van Buren Light and	Electric light	. i
Minneapolis General Electric Co	Electric current	]
Fort Smith and Van Buren Light and	do	
Transit Co.		
Electric Lighting Co. of Mobile	Electric light	
New Bedford Gas and Edison Light Co	do	
Transit Co. Electric Lighting Co. of Mobile		
Now Orleans and Campallton Pailread	00	
Light and Power Co	00	
Alnena Electric Light Co	do	
T. W. Pemberton	do	
Cumberland Telephone and Telegraph Co.	Telephone service	2
Michigan Telephone Co	do	
Light and Power Co. Alpena Electric Light Co	do	1
graph Co.		
Northwestern Telephone Exchange Co	do	1
Wisconsin Telephone Co	do	
Interstate Telephone and Telegraph Co	do	212
The Coloredo Tolonhora C-	do	a
Rocky Mountain Ball Tolophone Co.	do	7
The Particular Dell Telephone Co	do	9
	UU	64
Michigan Telephone Co. of Missouri	do	
graph Co.  Northwestern Telephone Exchange Co  Wisconsin Telephone Co  Interstate Telephone and Telegraph Co  La Crosse Telephone Co  The Colorado Telephone Co  Rocky Mountain Bell Telephone Co  The Bell Telephone Co. of Missouri  Michigan Telephone Co  Capital Telephone and Telegraph Co  Missouri and Kansas Telephone Co  do	do	

# $Expenditures of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1903-{\bf Cont'd}.$

oate.	Name.	Nature of payment.	Total
.902.	*		
. 22	Iowa Telephone Co Southern Bell Telephone and Telegraph Co- Sunset Telephone and Telegraph Co- Pacific States Telephone and Telegraph Co- do	Telephone service	\$15.
	Southern Bell Telephone and Telegraph Co.	do	4.
	Sunset Telephone and Telegraph Co	do	5
	do	do	30. 25
	odo do Southwestern Telegraphand Telephone Co. People's Telephone and Telegraph Co. Dubuque Telephone Co Cumberland Telephone Co. New York Telephone Co. New York Telephone Co. New York Telephone Co. New York Telephone Co.	do	18
	Southwestern Telegraphand Telephone Co.	do	9
	People's Telephone and Telegraph Co	do	7
	Dubuque Telephone Co	do	6
	Cumberland Teleptone and Telegraph Co.	do	10
	New York Telephone Co	do	60 12
	and Telegraph Co.		1%
	Columbia Telephone Co	do	10
	Cumberland Telephone and Telegraph Co.	do	48
	Hudson River Telephone Co	do	16
	Southern Bell Telephone and Telegraph Co.	do	21
	Southwestern Telegraph and Telegraph Co	do	10
	Cumberland Telephone and Telegraph Co	do	10
	Southern Bell Telephone and Telegraph Co.	do	15
	Central District and Printing Telegraph Co	do	35
	The Rocky Mountain Bell Telephone Co	do	15
	Sunset Telephone and Telegraph Co	do	15
	Wisconsin Telephone Co.	Office rent	30
	New York and Pennsylvania Telephone and Telegraph Co. Columbia Telephone Co Cumberland Telephone and Telegraph Co. Hudson River Telephone Co Southern Bell Telephone and Telegraph Co. Coumberland Telephone and Telegraph Co. Countern Bell Telephone and Telegraph Co. Central District and Printing Telephone Co. Central District and Printing Telephone Co. Sunset Telephone and Telegraph Co. Wisconsin Telephone Co. H. H. Taylor, agent Mills Building M. Parmentier F. D. Miracle Peter Sonna	do	322 74 147
	F. D. Miracle Peter Sonna Joseph Gussenhoven The Utah and Pacific R. R. Co Improvement, Loan, and Trust Co City of Palestine, Tex Albert Marty Adam Geiger M. E. Conway A. W. Kennie J. R. Hunter, agent Fraternal Hall Association H. F. Barnett B. S. Williams M. W. Cunningham John Semer D. L. Buhne et al Fremont Lumber Co J. I. Smith B. D. Johnson E. L. Rence	do	147
	Peter Sonna	do	120
	Joseph Gussenhoven	do	90
	The Utah and Pacific R. R. Co	do	45
	Improvement, Loan, and Trust Co	do	150 78
	Albort Marty	do	165
	Adam Geiger	do	60
	M. E. Conway	do	37 25
	A. W. Kennie	do	25
	J. R. Hunter, agent	do	225
	Fraternal Hall Association	do	105 10
	R & Williams	do	73
	M. W. Cunningham	do	30
	John Semer	do	112
	D. L. Buhne et al	do	92 87
	Fremont Lumber Co	do	87
	J. L. Smith	do	30 63
	E. L. Rence	do	150
	E. L. Renoe Board of Commissioners, Humboldt Coun-	do	67
	ty, Nev.		
	ty, Nev. Mill Valley and Mount Tamalpais Scenic	do	105
	RWV.		00
	Chamber of Commerce Building Co	do	93 64
	Dexter Horton	do	120
	J. G. Hatch Dexter Horton Northwestern Mutual Life Insurance Co. F. L. Keating F. E. Warren Mercantile Co.	do	125
	F. L. Keating	do	90
	F. E. Warren Mercantile Co	do	129
	U.J. Buell		94 120
	Walter Talbot Pacific Club	do	65
	K. F. Coke	do	60
	Taylor National Bank	do	143
	A. W. Kennie	do	28 87
25	E. D. Osborn	do	87
	R. G. Lewis	do	11
	Mutual Ice Delivery Co	Tce	3
	Lorenzo Littlefield Mutual Ice Delivery Co Sheboygan Light, Power, and Railway Co	Electric light	7
	East Tennessee Telephone Co	Telephone services	9
	Cumberland Telephone and Telegraph Co.	do	12
	Sunset Telephone and Telegraph Co	do	6
	Michigan Telephone Co	Recasting rollers	18
	R. H. Varpahl Geo, Draper	Coal oil	25
	G M Hedderick	Stove	36
	Geo. F. Muth & Co.  Densmore Typewriter Co.  Baltimore Bolt and Iron Works.	Lamp wicks	5
	Densmore Typewriter Co	Repairing typewriter	13
	Rollimore Roll and Iron Works	Erecting instrument shelter	8

ite.	Name.	Nature of payment.	Tota
)2.			
25	Arizona Publishing Co	Printing climate and crop bul- letins.	\$10.
	Norwich University	Stoom hoot	2
	Eugene Shepardson	Towel service	
	Norwich University Eugene Shepardson W. H. Jenks R. S. Bishop	Towel service Repairing electric motor Repairing platform of wind in- strument.	04
	R. S. Bisnop	strument	30
	Sawyer Implement Co. G. C. Harris John O'Brien C. H. Krebs & Co Inland Type Foundry J. H. Cuningham Dan Stephenson Duluth Van and Storage Co. R. C. Kuhn Sash and Door Co. A. Fairservice John Hyslop	Erecting storm-warning tower	38
	G. C. Harris	Ink and mucilage	
	John O'Brien	Ink and mucilage Painting wind vane Kerosene and gasoline Chase and gauge pins. Glass, etc Repairing self-register Drayage Glass	
	Inland Type Foundry	Chase and gauge pins	10
	J. H. Cuningham	Glass, etc.	10
	Dan Stephenson	Repairing self-register	
	R. C. Kuhn Sash and Door Co	Glass	
	A. Fairservice	Oil and brooms	
	John Hyslop	Painting tower	10
	H. P. Sadler	Baseline	
	Drey & Kahn Glass Co	Glass	
	Manhattan Electric Supply Co	Shades and telegraph sounders.	2
	L. P. Parker	Wood	2
	The Myers Co	Renairing typewriter	
	Herman Gundlach	Repairing roof walks	1
	Charleston substation	Pay Roll	180
	A Fairservice John Hyslop Gamble & Ludwig H. R. Sadler Drey & Kahn Glass Co Manhattan Electric Supply Co L. P. Parker Gordon Battery Co The Myers Co Herman Gundlach Charleston substation Milwaukee substation Cleveland substation Louisville substation New York substation Suffalo substation Buffalo substation Chicago substation Macon substation Parkersburg substation Des Moines substation Des Moines substation Ordand, Oreg., substation Portland, Oreg., substation Ordand substation Des Moines substation Ordand Substation Des Moines substation Ordand Substation Omaha substation Omaha substation Alpena substation Mobile substation Mobile substation Mobile substation	do	18
	Louisville substation	do	22 5 3
	New York substation	do	3
	Buffalo substation	do	163
	Unicago substation	do	49
	Parkersburg substation	do	3
	Charleston substation	do	7
	Des Moines substation	do	23
	Vickshurg substation	do	23 4 11
	Omaha substation	do	2
	La Crosse substation	do	6
	Alpena substation	do	10.
	dodo	do	14
	Augusta substation	do	14 36 36
	Chicago substation	do	36 18
	Louisville substation	do	29
	New Orleans substation	do	8
	Wilmington substation	do	12
	Montgomery substation	0o	16
	Cairo substation	do	13
	Chattanooga substation	do	13 11
	Harrisburg substation	do	8
	Portland Over substation	do	7
	Cincinnati substation	do	18
	Sault Ste. Marie substation	do	13
1	New Orleans substation	do	12
	Atlanta substation	do	20
	J. E. Harris, jr	Services	1
	M. A. Webster	do	1
	S. W. Lightner	do	3
	N. W. Wagner	do	2
	J. E. Cotter	do	1
	T. A. Boon	do	31
	L. C. Collins	do	2:
	J. L. Cline	Drayage and battery jars	9
	E.C. Vose	Station expenses	
	P. Connor	Duaya go	- 1
	J. P. Marbury	do do	10
	Appens substation  do  do Augusta substation Chicago substation Indianapolis substation Louisville substation New Orleans substation Wilmington substation Odo Montgomery substation Cairo substation Chattanooga substation Harrisburg substation Harrisburg substation Harrisburg substation Sauk Ste. Marie substation Orinanti substation Sauk Ste. Marie substation New Orleans substation New Orleans substation J. E. Harris, jr M. A. Webster S. W. Lightner A. G. Wiley N. W. Wagner J. E. Cotter T. A. Boon C. P. Disney L. C. Collins J. L. Cline E. C. Vose P. Connor J. Warren Smith J. P. Marbury F. J. Walz L. N. Jesunofsky Willis L. Moore W. G. Burns	do	8
31	L. N. Jesunofsky	do	110
	WILLIS L. Moore	Traveling expenses	110

 $Expenditures \ of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30, 1903-{\bf Cont'd}.$ 

Date.	Name.	Nature of payment.	Tota
1902.	,		
et. 31	First National Bank, Portland, Me Michigan Telephone Co Sunset Telephone and Telegraph Co	Office rent	\$126 12
	Michigan Telephone Co	Telephone services	12
	Sunset Telephone and Telegraph Co.	do	18
	Sunset Telephone and Telegraph Co.  New England Telephone and Telegraph Co.  Wagner Typewriter Co  Hoke Engraving Plate Co  do  American Type Founders Co  E. M. Bowman  Scarff & O'Connor Co.  Dygert & Son  M Cotter	do Typewriter Typewriter and casting box Recoating base plates Repairs to base plates Electrotypes Drayage News cases Pamphlet holders	14 88
	Hoke Engraving Plate Co	Typewriter and casting box	4]
	do	Recoating base plates	28
	do	Repairs to base plates	28 199 13
	American Type Founders Co	Electrotypes	137
	E. M. Bowman	Drayage	
	Scarff & O'Connor Co	News cases	]
	Dygert & Son	Pamphlet holders	2
	M. Cotter	Fuel	8
	B. J. Sherry W. P. Gilbert C. E. Scott & Co H. C. Cooke O. L. Fassig G. D. Featherstone	Kerosene oil	
	C. E. Scott & Co	Coal	80
	H. C. Cooke	Traveling expenses	
	O.L. Fassig	dodo	18
	G.D. Featherstone	do	2
	E.T.Giers	do	
	J. B. Marbury	do	
	U.St. Marie	00 do	15
	G. D. Featherstone E. T. Giers J. B. Marbury O. St. Marie J. N. Ryker O. L. Fassig A. E. Hackett J. W. Byram F. H. Brandenburg G. E. Lawton Louis Dorman J. H. Kimball G. E. Grimes J. J. Kelliher W. G. Burns P. F. Lyons A. G. McAdie F. H. Clarke G. N. Salisbury E. R. Miller W. S. Belden G. W. Felger W. T. Lathrop E. C. Vose W. M. Wilson do D. A. Seeley C. C. Garrett	Office expenses	16
	A E Hackett	do	
	J. W. Byram	do	
	F. H. Brandenburg	do	
	G. E. Lawton	do	6
	Louis Dorman	do	2:
	J. H. Kimball	do	30
	G. E. Grimes	do	
	W. C. Peren	00	
	D E Lyons	do	j
	A G McAdie	do	2
	F. H. Clarke	do	4
	G. N. Salisbury	do	4
	E. R. Miller	do	1
	W. S. Belden	do	10
	G. W. Felger	do	
	W.T. Lathrop	Traveling expenses	18 10
	E. C. VOSE	00 do	68
	do	do	(
	D. A. Seelev	Tissue books, oil boards, and	
		silk.	
	C. C. Garrett R. H. Dean W. M. Wilson	Washing towels	
	R. H. Dean	Drayage Erecting instrument shelter,	12
	W. M. Wilson	Erecting instrument shelter,	12
	TT C O-t	etc.	
	T. S. Outram	Traveling expenses	9
	F. J. Walz	Board and lodging	26 48
	T. S. Outram L. M. Tarr F. J. Walz L. H. Murdoch Columbus, substations Galveston, substations do Kansas City, substations Memphis, substations Minneapolis, substations New Orleans, substations Pittsburg, substations St. Louis, substations St. Louis, substations San Francisco, substations The Freidenwald Co do W. F. R. Phillips et al	Repairing instruments, etc.	1
	Columbus, substations.	Pay roll.	27
	Galveston, substations	do	275 29 491
	do	do	491
	Kansas City, substations	do	29;
	Memphis, substations	do	220
	Minneapolis, substations	00	346 219
	New Orleans, substations	do	26
	St Louis substations	do	364 184
	San Francisco, substations	do	172
	The Freidenwald Co	Manila cards	578
	do	Wrappers	960
	W. F. R. Phillips et al.	Pay roll, climatology	539
	Jno. P. Church et al	Pay roll, printing office	2,887
v. 8	G. R. Oberholzer	Traveling expenses	19
	F. H. Brandenburg	do	14 16
	E. H. BOWle	do	18
	C S Grindle	do	18
	H R Hersey	do	18
	G E Lawton	do	
	C E Vose	do	6
			00
	H. A. McNally	do	56
	The Freidenwald Co do W.F. R. Phillips et al Jno. P. Church et al G. R. Oberholzer F. H. Brandenburg E. H. Bowie J. F. Atherton C. S. Grindle H. B. Hersey G. E. Lawton C. E. Vose H. A. McNally A. G. McAdie H. B. Boyer M. L. Fuller	do	88 38

ate.	Name.	Nature of payment.	Total
902.			
v. 8	N. R. Taylor T. B. Jennings H. C. Frankenfield C. P. Cronk J. H. Smith S. M. Blandford L. R. Weeles	Traveling expenses	\$18.
	T. B. Jennings	00 do	5. 44.
	C. P. Cronk	Freight and dravage	20
	J H Smith	Dravage and expressage	20. 4.
	S. M. Blandford	Drayage and expressage Expressage Cleaning river gauge Oil. cartag , and lodging Board and lodging Engraving river chart Lanterns, burners, and wicks Repairing thermometers Tharmometers	2.
	J. R. Weeks J. W. Cronk A. H. Thiessen	Cleaning river gauge	3.
	J. W. Cronk	Drayage	3.
	A. H. Thiessen	Oil. cartag , and lodging	25.
	E. H. Emery J. C. Entwistle Peter Gray H. J. Green	Board and lodging	88.
	J. C. Entwistie	Engraving river chart	2,278
	H I Groop	Repairing thermometers	49.
	00	Thermometers Traveling expenses Services do Gas and electric current Drayage, etc	1,000.
	A. Zappone	Traveling expenses	81. 30.
	A. Zappone John Hyslop	Services	30.
	C P Sagria	do	30.
	Al. Brand E. H. Bowie W. T. Blythe	Gas and electric current	16. 10.
	E. H. Bowie	Drayage, etc	10.
	W. T. Blythe	do	22.
	R. G. Allen	do	17.
	R. G. Allen O. St. Marie W. Roche E. A. Beals C. F. von Herrmann W. G. Burns Neely Electric Co Robt. Maxwell Augusta. substations Baitimore, substations Galveston, substations Houghton substations Houghton substations Little Rock, substations Little Rock, substations Memphis, substations Memphis, substations Montgomery, substations Nashville, substations Naw Orleans, substations Philadelphia, substations Port Huron, substations Port Huron, substations Raleigh, substations Savannah, substations Savannah, substations Savannah, substations J. I. Widmeyer H. Hamilton do San Francisco, substations	Lodging and meals Dry cells	8. 5.
	E. A. Beals	Dravage	14.
	C. F. von Herrmann	do	26. 19.
	W. G. Burns	Meals and lodging	19.
	Neely Electric Co	Silk cord, etc	41.
1	Robt. Maxwell	Services	30.
	Augusta. substations	Pay roll	164. 90.
	Baltimore, substations	do	90.
	Houghton substations	do	48. 60.
	Little Rock substations	do	51
11	Knoxyille substations	do	51. 104.
11	Little Rock, substations	do	9.
	Memphis, substations	do	51.
	Montgomery, substations	do	46.
	Nashville, substations	do	70.
	New Orleans, substations	do	152.
	Philadelphia, substations	do	69.
	Port Huron, substations	00	195. 120.
	Savannah substations	do	61
	do	do	61. 202.
	Shreveport, substations	do	41
	Sioux City, substations	do	105.
	J. I. Widmeyer	Traveling expenses	105. 21. 2. 5.
	H. Hamilton	Services	2.
	do	do	5.
	San Francisco, substations	Pay roll	20.
	St Louis substations	Drayage and omce expenses	5. 125.
	Richmond substations	do	6.
	Omaha, substations	do	239
15	Boston, substations	do	239. 757.
	H. Hamilton do	do	78. 35.
	New York, substations	do	35.
	Charleston, substations	do	24.
	Tri J J	do	35.
	Vicksburg, substations	do	37. 68.
	Momphie substations	do	68.
	Tom Sweeney Hardware Co	Coal store	35.
	Keuffel & Esser Co	Drawing table	11.
	Wm. Schwarzwaelder & Co	Wardrobe	22.
	Western Union Telegraph Co	Repairing telegraph line	22. 10.
	R. L. Polk & Co	Business directory	5. 120.
	do Vicksburg, Substations Atlanta, substations Memphis, substations. Tom Sweeney Hardware Co. Keuffel & Esser Co. Wm. Schwarzwaelder & Co. Western Union Telegraph Co. R. L. Polk & Co. S. B. Hicks & A. E. Hicks F. L. Ewing H. B. Hartman	Office rent	120.
	H. B. Hentman	Weter	9. 7.
	F G Wayna	Water Repairing and painting	6.
	H. B. Hartman F. G. Wayne Jacksonville Towel Co Whitall, Tatum Co	Washing towels	2.
	Whitall, Tatum Co	Washing towels Glass graduate	۵.
	J. B. IIWIII	Repairs to building	450.
	O. G. Skylstead	Bowl and pitcher	1.
	O. G. Skylstead S. A. D. Keisler	Repairs to building Bowl and pitcher Ink and mucilage	3.
	Emry Davis W.F. Starkweather Central Union Telephone Co Wyckoff, Seamans & Benedict	Inkstands	108.
	W.F. Starkweather	River gauge Telephone service Repairing typewriters	25.
		Telephone service	40.

 $Expenditures of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30, 1903-{\bf Cont'd}.$ 

Pate.	Name.	Nature of payment.	Total
1902.			
ov. 15	Schneider Bros	Anemometer cups	\$50.
	H. H. Hart G. E. French & Co	Anemometer cups Binding weather maps	6.
	G. E. French & Co	Silver sand Rags	3
	Broderick Bros	Rags	14
	J. A. Melton	Forms case Repairing furniture Repairing telegraph lines Casting rollers Washing towels	46 36 10
	Hermann & Co W. H. Branigan California Ink Co	Repairing turinture	96 01
	California Ink Co	Casting rollers	9
	L. E. Scars	Washing towels	2
	L. E. Scars Mack Wellman	Glass	14
	F. F. Bosnot	Nephoscope support Telephone services Cartage Carriage hire	1
	New England Telephone and Telegraph Co	Telephone services	8
	The General Cartage and Storage Co	Cartage	6 38
	J.B. Throckmorton, jr	Carriage hire	38
	Vicksburg Heraid	Printing	10
	Bornhout Bros & Spindler	Printing Drayage Type	1 33
	W T Langlois	Printing	40
	Western Union Telegraph Co	Renairing telegraph line	40 12 90
	Marquette County Savings Bank	Office rent	90
	N.B. Conger	Office expense	19
	The Society for Savings	Printing Repairing telegraph line. Office rent Office expense	285 150 25
	Mack Wellman F. F. Bosnot. New England Telephone and Telegraph Co The General Cartage and Storage Co. J. B. Throckmorton, jr Vicksburg Herald E. H. Furbush Barnhart Bros. & Spindler W. T. Langlois. Western Union Telegraph Co. Marquette County Savings Bank. N. B. Conger The Society for Savings Joseph Bryan. C. P. Jones L. D. Gibson.	do	150
	C.P. Jones	do	25
	I.D.Gibson Dunn & Lemmon Peleg Brown ' L.P.Parker	do do do Laying carpet Printing Horse hire Repairing telegraph line Book binding Telephone service Window shades	30 30
	Palag Brown	Horse hive	30
	I. P. Paulzar	Rensiving telegraph line	15
	Woodward & Lierman Printing Co	Bookbinding	20
	Woodward & Lierman Printing Co Nebraska Telephone Co	Telephone service	25
	Nebraska Telephone Co John Bruegger  Consumers' Ice Co Gether-Drebert-Perkins Co Southern Bell Telephone and Telegraph Co P. H. Cheney & Sons B. J. Sherry Norwich University H. A. Poole C. H. Besly & Co L. Rogers	Window shades	22 18
	Consumers' Ice Co	Ice	4
	Gether-Drebert-Perkins Co	Stereotype metal Telephone service	11 24
	Southern Bell Telephone and Telegraph Co	Telephone service	24
	P. H. Cheney & Sons	Populating tolograph line	5
	Norwich University	Moving office	195
	H A Poole	Renairing telegraph line	123
	C. H. Besly & Co	Blast lamp	
	L. Rogers	Horse hire	30
	Campbell Printing Press and Manufactur-	Electric current Repairing telegraph line Moving office Repairing telegraph line Blast lamp Horse hire Air valve	
	ing Co.		
	Yates & Co R. L. Lewis E. Dickerson	Coal oil Telephone services	24
	E Dickerson	Glass	22
	Wolf Bros	Printed envelopes	
	O. J. Maigue H. E. Clack Bertram Wilson	Recasting rollers	58
	H.E. Clack	Drayage	
	Bertram Wilson	Repairing telegraph line	4
	J. E. Thomas Potter Bros	Storing ceal	
	Potter Bros.	Brush nook	
	A. M. Adie	do do	-
	C. E. Johnson C. J. Brierley W. E. Williams Robt, Tyler	Printed envelopes Recasting rollers Drayage Repairing telegraph line Storing coal Brush hook Horse hire do Repairing telegraph line Carpet sweeper Printing Pamphlet-holder boxes	-
	W.E. Williams	Carpet sweeper	-
	Robt. Tyler	Printing	17 12 5
	Root. Tyler The Globe-Wernicke Co Montgomery substations Myer, Newberger & Co C. A. Nason R. C. Evans L. J. Baker Old by man substations	Pamphlet-holder boxes	13
	Montgomery substations	Pay roll	5
	Myer, Newberger & Co	Silk sheets River gauge Office rent Services	
	C. A. Nason	River gauge	
	R. C. Evans	Office rent	8
	Olto home substations	Pow poll	999
	E Antoine	Printing	10/01
	Smith Premier Typewriter Co.	Repairing typewriter.	22:
	A. Greenwood & Co	Painting river gauge	15 1 36
	Claybourne Burner Co	Repairing furnace, etc	1.
	G. W. Millar & Co	Plate paper	36
	H. H. Hodgson	Repairing typewriter	150 150 93
	J. K. Porter	Office rent	15
	Wm I Smith	Printing office sign	96
	Evens & Mackins	Dravage	4
	L. J. Baker Oklahoma substations E. Antoine Smith Premier Typewriter Co. A. Greenwood & Co Claybourne Burner Co. G. W. Millar & Co. H. H. Hodgson J. K. Porter M. E. Shelden Wm. J. Smith Evans & Meekinsdo James Hunter J. Spiers	Services Pay roll Printing Repairing typewriter Painting river gauge Repairing furnace, etc Plate paper. Repairing typewriter Office rent do Orinting office sign Drayage do do Dainting	5
	James Hunter	do	55
	J. Spiers	Paintingdo	
	J. T. Patrick E. T. Hollowell Electric Light Co Ivie Electrical Supply and Construction Co	do	
	E.T.Hollowell	do	]
		Fleetric current	

Jo Na J.I. Soo F. M. Th E. J. Oe Th H. C. Loo Loo Loo Pa Fa Ff. H. W. W. W. W. W. N. W. W. N. W. N. W. N. W. N. W. N. W. N. W. N. W. N. W. N. W. N. W. N. W. N. W. N. W. N. N. N. N. N. N. N. N. N. N. N. N. N.	D. Page. W. Divine & Co. wa Telephone Co. ne Empire State Telephone and Telegraph Co. hn Carter & Co. stional Lead Co. I. Schaffer uthern Bell Telephone and Telegraph Co. G. Blaisdell. J. Nash ne Cleveland Telephone Co. D. Beattie J. Nolan slaware and Atlantic Telegraph and Telephone Co. D. Commercial Electric Co. S. Dodd. R. Redden uis Boder uific States Telephone and Telegraph Co. II River Electric Light Co. ne Lorain Gas Co. neific States Type Foundry E. Hamell Rope Co. M. Price unicipal electric light plant A. Fellows eedham Bros m. Nordhoff merican Type Founders' Co. A. Willis B. Dodge H. Britton merican Ice Co.	Electric current. Drayage Erecting instrument shelter Erecting supports. Rent of conduit	\$10.66 16.44 30.00 7.56 25.55 3.3 3.0 12.2 16.55 36.0 9.9 4.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12
M. Iow	Haph Co. hn Carter & Co ational Lead Co I. Schaffer uthern Bell Telephone and Telegraph Co G. Blaisdell J. Nash ne Cleveland Telephone Co D. Beattie J. Nolan J. Nolan elaware and Atlantic Telegraph and Telephone Co. ne Commercial Electric Co S. Dodd R. Redden usis Boder crific States Telephone and Telegraph Co.	Glass Telephone service do Paper Stereotype metal Repairing office furniture Telephone services do Execting instrument shelter Telephone service Printing Repairing river gauge Telephone services Electric current Drayage Erecting instrument shelter Erecting supports Rent of conduit	16. 44 30. 00 7. 55 5 3. 3 3 3. 0 12. 2 16. 5 1. 5 30. 0 36. 0 9. 9 4. 0 5. 8 12. 0 35. 1 9. 0 9. 0 9. 0 9. 0 9. 0 9. 0 9. 0 9. 0
Jo Na J. J. Soo F. M. Th E. J. Oo Th H. C. Lo Lo Lo Lo Lo Lo V. V. V. V. V. V. V. V. V. V. V. V. V.	Haph Co. hn Carter & Co ational Lead Co I. Schaffer uthern Bell Telephone and Telegraph Co G. Blaisdell J. Nash ne Cleveland Telephone Co D. Beattie J. Nolan J. Nolan elaware and Atlantic Telegraph and Telephone Co. ne Commercial Electric Co S. Dodd R. Redden usis Boder crific States Telephone and Telegraph Co.	Paper Stereotype metal	30, 00 7, 50 25, 57 3, 30 12, 22 16, 57 30, 0 30, 0 5, 12, 0 9, 9 4, 0 5, 8 12, 0 12, 0 12, 0 13, 0 14, 0 15, 0 16, 0 17, 0 18, 0
Jo Na J. J. Soo F. M. Th E. J. Oo Th H. C. Lo Lo Lo Lo Lo Lo V. V. V. V. V. V. V. V. V. V. V. V. V.	Haph Co. hn Carter & Co ational Lead Co I. Schaffer uthern Bell Telephone and Telegraph Co G. Blaisdell J. Nash ne Cleveland Telephone Co D. Beattie J. Nolan J. Nolan elaware and Atlantic Telegraph and Telephone Co. ne Commercial Electric Co S. Dodd R. Redden usis Boder crific States Telephone and Telegraph Co.	Paper Stereotype metal	25. 56 3.30 3.00 12. 22 16. 56 30. 00 36. 00 5. 12. 00 5. 88 12. 00 35. 11 9. 90
Jo Na J. J. Soo F. M. Th E. J. Oo Th C. C. Loo Loo Loo Pa Fa Ff. H. W. W. W. W. W. Na Na Na W. Na Na Na Na Na Na Na Na Na Na Na Na Na	Haph Co. hn Carter & Co ational Lead Co I. Schaffer uthern Bell Telephone and Telegraph Co G. Blaisdell J. Nash ne Cleveland Telephone Co D. Beattie J. Nolan J. Nolan elaware and Atlantic Telegraph and Telephone Co. ne Commercial Electric Co S. Dodd R. Redden usis Boder crific States Telephone and Telegraph Co.	Paper Stereotype metal	25. 56 3.30 3.00 12. 22 16. 56 30. 00 36. 00 5. 12. 00 5. 88 12. 00 35. 11 9. 90
Joseph Jo	hn Carter & Co attional Lead Co I. Schaffer uthern Bell Telephone and Telegraph Co G. Blaisdell .J. Nash .e Cleveland Telephone Co D. Beattie J. Nolan .elaware and Atlantic Telegraph and Telephone Co E. Commercial Electric Co S. Dodd R. Redden .uis Boder .uif Boder .uiff Catates Telephone and Telegraph Co	Electric current. Drayage Erecting instrument shelter Erecting supports. Rent of conduit	3.0 12.2 16.5 1.5 30.0 36.00 36.00 .5 12.0 9.9 4.0 5.8 12.0 35.1 9.9
TH. C. Lo Pa Fa Ff. Hd. Mi No No An An Ju Tr	pephone Co.  e Commercial Electric Co.  S. Dodd.  R. Redden.  uis Boder.  cific States Telephone and Telegraph Co.	Electric current. Drayage Erecting instrument shelter Erecting supports. Rent of conduit	3.0 12.2 16.5 1.5 30.0 36.00 36.00 .5 12.0 9.9 4.0 5.8 12.0 35.1 9.9
TH. C. Lo Pa Fa Ff. Hd. Mi No No An An Ju Tr	pephone Co.  e Commercial Electric Co.  S. Dodd.  R. Redden.  uis Boder.  cific States Telephone and Telegraph Co.	Electric current. Drayage Erecting instrument shelter Erecting supports. Rent of conduit	3.0 12.2 16.5 1.5 30.0 36.00 36.00 .5 12.0 9.9 4.0 5.8 12.0 35.1 9.9
TH. C. Lo Pa Fa Ff. HG HW N N N AI P. D. S. AI Ju	pephone Co.  e Commercial Electric Co.  S. Dodd.  R. Redden.  uis Boder.  cific States Telephone and Telegraph Co.	Electric current. Drayage Erecting instrument shelter Erecting supports. Rent of conduit	12. 2 16. 5 1. 5 30. 0 36. 0 5 12. 0 9. 9 4. 0 5. 8 12. 0 35. 1 9. 1
TH. C. Lo Pa Fa Ff. HG HW N N N AI P. D. S. AI Ju	pephone Co.  e Commercial Electric Co.  S. Dodd.  R. Redden.  uis Boder.  cific States Telephone and Telegraph Co.	Electric current. Drayage Erecting instrument shelter Erecting supports. Rent of conduit	1, 5 30, 0 36, 0 .5 12, 0 9, 9 4, 0 5, 8 12, 0 35, 11 9, 0
TH. C. Lo Pa Fa Ff. HG HW N N N AI P. D. S. AI Ju	pephone Co.  e Commercial Electric Co.  S. Dodd.  R. Redden.  uis Boder.  cific States Telephone and Telegraph Co.	Electric current. Drayage Erecting instrument shelter Erecting supports. Rent of conduit	30. 0 36. 0 .5 12. 0 9. 9 4. 0 5. 8 12. 0 35. 1
TH. C. Lo Pa Fa Ff. HG HW N N N AI P. D. S. AI Ju	pephone Co.  e Commercial Electric Co.  S. Dodd.  R. Redden.  uis Boder.  cific States Telephone and Telegraph Co.	Electric current. Drayage Erecting instrument shelter Erecting supports. Rent of conduit	36. 0 . 5 12. 0 9. 9 4. 0 5. 8 12. 0 35. 1 9. 0
TH. C. Lo Pa Fa Ff. HG HW N N N AI P. D. S. AI Ju	pephone Co.  e Commercial Electric Co.  S. Dodd.  R. Redden.  uis Boder.  cific States Telephone and Telegraph Co.	Electric current. Drayage Erecting instrument shelter Erecting supports. Rent of conduit	.5 12,0 9,9 4,0 5,8 12,0 35,1 9,0
TH. C. Lo Pa Fa Ff. HG HW N N N AI P. D. S. AI Ju	pephone Co.  e Commercial Electric Co.  S. Dodd.  R. Redden.  uis Boder.  cific States Telephone and Telegraph Co.	Electric current. Drayage Erecting instrument shelter Erecting supports. Rent of conduit	12, 0 9, 9 4, 0 5, 8 12, 0 35, 1
The H. C. Lo Pa Fa Fa. The Pa Fa. H. M. W. N. W. N. A. A. L. D. S A. J. U. T. F.	ephone Co. le Commercial Electric Co. S. Dodd. R. Redden. uis Boder cific States Telephone and Telegraph Co.	Electric current. Drayage Erecting instrument shelter Erecting supports. Rent of conduit	9. 9. 4. 0 5. 8 12. 0 35. 1 9. 0
The H. C. C. Loo Pa Fa Fa Fa Fa H. H. M. W. N. W. A. I. P. D. S. A. I. Ju	ae Commercial Electric Co S. Dodd R. Redden Juis Boder Juific States Telephone and Telegraph Co.	Drayage Erecting instrument shelter Erecting supports Rent of conduit	4.0 5.8 12.0 35.1 9.0
H. C. Lo Paa Fa F	S. Dodd R. Redden puis Boder wific States Telephone and Telegraph Co.	Drayage Erecting instrument shelter Erecting supports Rent of conduit	4.0 5.8 12.0 35.1 9.0
Lo Pa Fa Th Pa Ff. Hi HI Ni W Ni V AI AI AI Ju	R. Redden ouis Boder acific States Telephone and Telegraph Co.	Rent of conduit	5, 8 12, 0 35, 1 9, 0
Loo Pa Fa Tri Pa F. H. M. W V V V An P. D. S.: An Ju	ouis Boder cific States Telephone and Telegraph Co.	Rent of conduit	9 ()
Pa F. H. Mi V Ne W AI P. D. S. AI Ju	ucific States Telephone and Telegraph Co. Il River Electric Light Co. 1e Lorain Gas Co. 1e Lorain Gas Co. 1e Learnell Rope Co. 1e Lamell Rope Co. 1e Lamell Rope Co. 1e Learnell Rope Co. 1e Light Co. 1	Rent of conduit Electric light Electric current Type Halyards Electric light	9 ()
Pa F. Hd. MM N. W AI P. D. S.: AI Ju	Ill River Blectric Light Co le Lorain Gas Co leific States Type Foundry E. Hamell Rope Co loughton County Electric Light Co M. Price lunicipal electric light plant A. Fellows eedham Bros	Electric agnt Electric current Type Halyards Electric light	9.0 7.6
Pa F. H. Mi V Ne W AI P. D. S. AI Ju	Ecoralli Gas Co.  cific States Type Foundry  E. Hamell Rope Co  ughton County Electric Light Co.  M. Price  unicipal electric light plant  A. Fellows  eedham Bros	Type Halyards Electric light	9.0
Ju T.	E. Hamell Rope Co oughton County Electric Light Co	Halyards Electric light	
Ju T.	oughton County Electric Light Co	Electric light	2.0
Ju T.	M. Price unicipal electric light plant A. Fellows eedham Bros	131000110 118110111111111111111111111111	2.3
Ju T.	unicipal electric light plant . A. Fellows eedham Bros	Halvards	2.3 10.3
Ju T.	A. Fellowseedham Bros	Electric current	18.0
Ju T.	eedham Bros	River gauge Washing towels Repairing clocks Type Rent of roof Office rent Repairs to press Ice	88.0
Ju T.		Washing towels	.3 16.5
Ju T.	m. Nordhoff	Repairing clocks	16.5
Ju T.	merican Type Founders' Co	Type	29.3
Ju T.	R Dodgo	Office wort	8.1 49.0
Ju T.	H Rvitton	Renaire to nage	26.0
Ju T.	merican Ice Co	Ice	6.1
T. FI Hu An	llien P. Friez	Repairs to instruments.	337.5
FI Hi Ai	H. Britton merican Ice Co lien P. Friez D. Stewart int & Walling Manufacturing Co ugh Reilly merican Writing Machine Co do do	Erecting instrument shelter	9.0
W Man	int & Walling Manufacturing Co	Wrenches Turpentine	3.7
W	ngh Reilly	Turpentine	24.1
W	merican Writing Machine Co	Typewriters and covers	144.5 69.7 20.7
W		Daniel to top of the control of the	69.7
W	do	Typownitor and core	20. 1
W	do	do	72.2 72.2
Ma	do	Platen	2.0
Ma	B. Moses & Sons	Chair	5.9
Ma	_do	Bookcase	22.5
TX7	ackall Bros	Chemicals	19.0
111	oodward & Lothrop	Towels and linen	262.8
	-do	Furniture	56.9
He	erman Baumgarten	Rubber stamps	2.4
J.	ngh Reilly merican Writing Machine Co do priman Baumgarten Baumgarten & Sons J. Pullman arber & Ross unthern Printers' Supply Co arthas Vineyard Telegraph Co cksonville and St. Johns Bar Telegraph Line.	Photograph material	709, 3
E.	arher & Ross	Tools handles etc	22. 4 48. 0 60. 0
So	outhern Printers' Supply Co	Repairing stitching machine	60.0
M	arthas Vineyard Telegraph Co	Telegraph services	48.8
Ja	cksonville and St. Johns Bar Telegraph	do	48.8 12.2
] ]	Line.		
Ch	nicago, Burlington and Quincy R. R. Co- inneapolis, St. Paul and Sault Ste. Marie	do	2. 7 15. 9
M	inneapolis, St. Paul and Sault Ste. Marie	do	15.9
mi	Rwy.Co.	3-	-
TI	ne Bell Telephone Co. of Buffalo		. 5
B	altimore and Ohio P. P.	do	30.0
Po	ostal Telegraph Cable Co. of Texas	do	2. 7 32. 9
T	RWY. CO. he Bell Telephone Co. of Buffalo. cean Towboat Line altimore and Ohio R. R. sstal Telegraph Cable Co. of Texas he Great Northwestern Telegraph Co. of	do	165.2
	Canada,		
Er	nterprise Telegraph Co	do	2.6
Po	ostal Telegraph Cable Co	do	2. 6 24. 7
W	.J.Crawford	Drayage	2. 2
N	Canada.  Interprise Telegraph Co  Interprise T	Telegraph service	2.6
A	urora and Friendship Telephone Line	do	
Pa	nn Arbor P. P. Co.	Passangen transportation	42.4
Al	hesaneake and Ohio Pwy Co	rassenger transportation	42. 4 2. 9 32. 0
A	tlantic City B. R. Co	do	1.7
A		do	2.6
N:	tlantic Coast Line	do	2. 8 11. 7 28. 6

# $Expenditures \ of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30,1903-{\bf Cont'd}.$

Date.	Name.	Nature of payment.	Tota
1902.			
ov. 15	Grand Trunk Rwy. Co Manistee and Northeastern R. R. Co	Passenger transportation	\$7 2 35
	Manistee and Northeastern R. R. Co	do	2
	Pennsylvania Co	do	35.
	Georgia Southern and Florida Rwy. Co	00	7.
	Utah and Navada Eyrpeag Co	do	9
	The Western Rwy of Alabama	do	28 26
	Atlanta and West Point R. R. Co	do	2
	Atchison, Topeka and Santa Fe Rwy, Co	do	13
	Grand Rapids and Indiana Rwy	do	9
	Manistee and Northeastern R. R. Co Pennsylvania Co Georgia Southern and Florida Rwy. Co Louisville and Nashville R. R. Co Utah and Nevada Express Co The Western Rwy. of Alabama Atlanta and West Point R. R. Co Atchison, Topeka and Santa Fe Rwy. Co Grand Rapids and Indiana Rwy New York Central and Hudson River R. R. Co.	do	9
	South Haven and Eastern R. R. Co	do	1
	South Haven and Eastern R. R. Co Denver and Rio Grande R. R. Co	do	38
	Central of Georgia Rwy. Co	do	1
	Central of Georgia Rwy. Co Boston and Maine R. R. do Chicago and Northwestern Rwy. Co	do	5
	Chicago and Northwestown Pwy Co	do	75
	do	do	19
	Delaware Lackawanna and Western R. R.	do	24
			9
	Northern Pacific Rwy Co	do	5
	do Northern Pacific Rwy. Codo	do	5
			5 12 25
	do	do	25
	Michigan Central R. R. Co	do	6
	do Michigan Central R. R. Co do New York, New Haven and Hartford R. R.	do	16
	Co.	ao	1
	Codo	do	18 12 20
	Great Northern Rwy Co	do	20
	do	do	15
	Southern Rwy. Co.	do .	4
	do	do	37
	U.S. Express Co	Express charges	7
	Littlefield, Alvord & Co	Expressage	37
	Louisville and Nashville R. R. Co.	Freight charges	1
	N. B., M. V. and Nan. Steamboat Co	OD	
	Pennsylvania R. R. Co.	do	
	do	do	
	do do do	do	
	do	do	
	do	do	
	dodo	do	
	do	do	
	do	do	5
	do	do	1
	do	do	
	do	do	
	do	do	
	do	do	
	dodo Richmond, Fredericksburg and Potomac	do	
	R. R. Co.		
	Rio Grande Western Rwy. Co.	do	
	E. S. Kandall Potomac River Line Co	do	- 1
	R. R. Co. Rio Grande Western Rwy. Co. E. S. Randall Potomac River Line Co. Star Union Line. do do do do Southern Rwy. Co. do	do	1
	do	do	
	do	do	
	do	do .	
	do	do	
	Southern Rwy. Co	do	
	do	do	
	F. B. Spear & Son	do	
	St. Louis Transfer Co	ao	
	We back P. P. Co	do	
	Wabash R. R. Co St. Louis and San Francisco R. R. Co	do	
	Star Union Line	do	
	Star Union Line New York Central and Hudson River	do	14
	Chesaneake and Ohio Rwy Co	do	;
	Washington Southern Pwy Co	do	
	Washing ton Bouthern IV Wy. Co.		

# Expenditures of Department of Agriculture for year ending June 30, 1903—Cont'd. GENERAL EXPENSES, WEATHER BUREAU—Continued.

Date.	. Name.	Nature of payment.	Total.
1902.			
ov. 15	E. Argeltinger Erie and Western Transportation Codododododododo.	Drayage	\$0.18
	do	do	.83
	do	do	2.38
	do	do	. 57
	do	do	1.93
	J. J. Hagerty	Drayage	1.80
	W. J. Crawford	Enricht change	2.25
	Fort Worth and Denver City Rwy. Co	do	. 75 1. 89
	Southern Rwy.Co	do	5.28
	Littlefield Alverd & Co	Drown go	36.62 18.72
	New York Central and Hudson River R. R.	Freight charges	3.96
	Co.		
	Pennsylvania R. R. Co	do	. 45 . 54
	do do Erie and Western Transportation Co Cleveland, Cincinnati, Chicago and St.	do	. 31
	Erie and Western Transportation Co	do	2.10
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	do	1.31
	do	do	4.81
	Atlantic Coast Line R. R. Co	do	. 58
	Chicago and Northwestern Rwy Co	Brajage Freight charges	3.68 1.41
	Louis Rwy. Co. do Atlantic Coast Line R. A. Co J. J. Hagerty Chicago and Northwestern Rwy. Co Denver and Rio Grande R. R. Co Louisville and Nashville R. R. Co Wabash R. R. Co Norfolk and Washington Steamboat Co S. C. Dooley New Orleans, substations Mobile, substations Mobile, substations Sumner Hackett	do	5.27
	Louisville and Nashville R. R. Co.	do	. 92 1. 47
	Wabash R. R. Co	do	1.4:
	S. C. Dooley	Hauling	1.00
	New Orleans, substations	Pay roll	80,60
	Portland Me substations	do	49.60 87.74
	Sumner Hackett	do Drayage, etc Freight charges	1.00
	Cincinnati, New Orleans and Texas Pacing	Freight charges	. 82
	Rwy. Co. Continental Caoutchouc and Guttapercha Co.	Rubber balloons	80, 85
	L. C. Bandin	Thermometers	27.02
17	J. H. Stuhe	Frames and glass	118.00 400.53
	J. C. Parker American Ice Co New Orleans, substations	Map paper Ice Pay roll Printing Paper Carbon paper Paper, etc. Repairs to desk Subsistence	1.35
	New Orleans, substations	Pay roll	54.80
	A. A. Finck	Printing	6.00
	John Underwood & Co	Carbon paper	22.40 67.50
	R. C. Ballantyne	Paper, etc	528.30
	A C Pickels	Repairs to desk	1.50
	New Orleans, substations A. A. Finck Valley Paper Co. John Underwood & Co. R. C. Ballantyne C. M. Newton A. C. Pickels H. C. Cooke W. S. Belden	Subsistence Traveling expenses	1.50 42.75 9.10
	W. S. Belden	do	9.80
	do	Benzine	6.24 5.81
	E. E. Howell	Relief map	25.00
	H. Baumgarten	Rubber stamps	1.63
	J. C. Entwistle	GO Oil Benzine Relief map Rubber stamps do Engraving charts	4.68 7.50
	Maurice Joyce Engraving Co	Electrotypes, etc  do Rubber stamps  do	37.82
	H Roumgouton	Publica stowns	78.15 1.42
	H. Baumgarten	do	1.28
	E. Morrison Paper Co	Paper	11.00
	M. Joyce Engraving Co	Electrotypes, etc	60. 27 75. 49
	American Writing Machine Co	Typewriter and cover	72, 25
	do	Repairing typewriter	12.85
	A. C. Pickels H. C. Cooke W. S. Belden Standard Oil Codo E. E. Howell H. Baumgartendo J. C. Entwistle Maurice Joyce Engraving Cododo H. Baumgartendo E. Morrison Paper Cododo American Writing Machine Codo do W. B. Moses & Sonsdo	do Typewriter and cover Repairing typewriterdo Linoleum Chair, etc	10.90 9.00
	do	Chair, etc	10.32
	Woodward & Lothney	do Chairs and table Chairs and desk Millinet Camera case Scissors and spigots Pennants	15.48
	Woodward & Lothrop	Chairs and desk	11.75 28.85
	do	Millinet	.93
	Houghton & Delano	Camera case	2.00
	M. G. Copeland Co	Pennants	31, 28 11, 40
		Carpet Typewriter and case	61. 48 87. 50
	Wagner Typewriter Co	Typewriter and case	87.50
	o.m. r memeyer	Packing boxes	18.00

### $Expenditures of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, \ 1903-{\bf Cont'd.}$

Date.	Name.	Nature of payment.	Total
1902.			
ov. 17	The J. C. Ergood Co- Wyckoff, Seamans & Benedict	Feather dusters Repairing typewriter	\$66
	Wyckoff, Seamans & Benedict	Repairing typewriter	16
	Fort Smith, substations	Pay roll	39
	Fort Smith, substations E. E. Cleveland Furniture Co East Tennessee Telephone Co lowa Telephone Co Dakota Central Telephone Lines (Incorpo-	High stools	8
	East Tennessee Telephone Co	Telegraph services.	77
	Iowa Telephone Co	do	7
	Dakota Central Telephone Lines (Incorpo-	do	85
	rated).		0.0
	Alabama Micciccinni and Tonnescoo Tala	do	6
	phono Co		U
	Troma Malambana Ga	a	3
	Alacama, Mississippi and Telinissee Fele- phone Co. Home Telephone Co. Michigan Telephone Co. James Kenealy Allen Buell W. H. Dver	ad0	
	Michigan Telephone Co	QO	8
	James Keneary	Express charges	16
	Allen Buell	Repairing typewriter	6
	W.H. Dyer	Sawdust	1
	Sunset Telephone and Telegraph Co	Telegraph services	6
	W. H. Dyer Sunset Telephone and Telegraph Co The Consolidated Improvement Co Jabez T. Mathews	Repairing (ypewrite) Sawdust Telegraph services Office rent Erecting wind vane, etc River gauge Bookbinders' wire Repairing linoleum Papreils	165
	Jabez T. Mathews	Erecting wind vane, etc	31
	Burt Brown	River gauge	10
	E. C. Fuller	Bookbinders' wire	9
	E.C. Sawver	Repairing linoleum	ĭ
	Eberhard Faber	Pencils	39
	Home Telephone Co	Telegraph services	9
	G W O'Brien	Office rent	18 18
	Corvellis and Eastern R R Co	Tolegrenh services	16
	Jabez T. Mathews Burt Brown E. C. Fuller E. C. Sawyer Eberhard Faber Home Telephone Co. G. W. O'Brien Corvallis and Eastern R. R. Co	Rongine	1
	E. C. Sawyer Eberhard Faber Home Telephone Co. G. W. O'Brien Corvallis and Eastern R. R. Co Yates & Co Rocky Mountain Bell Telephone Co. Cumberland Telephone and Telegraph Co. do do The Ohio River Telephone Co Winton Telegraph Co Enterprise Ice Co Rising Sun Telegraph Line The Central District and Printing Tele	Tolophono sonvisco	38
	Combined Talantan Ben Telephone Co	relephone services	90
	Cumperiana Telephone and Telegraph Co.	do	20
	do	do	7
	do	do	3
	do The Ohio River Telephone Co Winton Telegraph Co Enterprise Ice Co Rising Sun Telegraph Line The Central District and Printing Telegraph Co	do	15
	Winton Telegraph Co	Telegraph services	7
	Enterprise Ice Co	Ice	(
	Rising Sun Telegraph Line	Telegraph services	5
	The Central District and Printing Tele-	do	16
	graph Co.		
	Pacific States Telephone and Telegraph Co- Cumberland Telephone and Telegraph Co-	do	10
	Cumberland Telephone and Telegraph Co.	Telephone services	150
	H E Wadsworth	Telegraph services	41
	C. F. Tohnson & Co	do Telephone services Telegraph services Inks Bookbinding	195
	Theyou & Jeakson Stationory Co	Rookbinding	127 60
	E W Hilliand	Enamitano	12
	Contract (Top contract of )	Tracture	17 131
	Queen & Co. (Incorporated)	Distruments	191
	Cumberland Telephone and Telegraph Co-H. E. Wadsworth C. E. Johnson & Co Thayer & Jackson Stationery Co E. W. Hilliard Queen & Co. (Incorporated) S. A. Bowe John Underwood & Co E. A. Hughes Joe Watkins Star Union Line do	Furniture. Instruments River gauge Carbon paper Lamps Drayage Freight charges	3
	John Underwood & Co	Carbon paper	98
	E. A. Hughes	Lamps	6
	Joe Watkins	Drayage	
	Star Union Line	Freight charges	
	do	do	(
	do	do	]
	do	do	
	Chicago and Northwestern Rwy Co	do	1
	Virginia and Truckee R. R. Co	do	
	Steamer New Shoreham	do	
	E Aigeltinger	Dravage	1
	O.I. Humphrey	Freight charges	144
	C. H. Mallory & Co	do	144
	I W Smith	Express charges	1
	C. P. Chadwielz & Co.	Erocting storm warning town	6
	G. D. Chadwick & Co	Eller wine	0(
	Star Union Linedo	Dwintonel carpelia	
	Southern Printers' Supply Co	Frinters' suppnes	
	B.J. Sherry	Services	(
	Geary Brothers	Hauling	]
	Geo. F. Muth & Co.	Paint, etc	. 18
	Yates & Co	Oil	1
	Clark & Davenport	Carpet	78
	American Writing Machine Co	Typewriter	77
	Portland General Electric Co	Oil Carpet Typewriter Services Express charges Belting Telegraph services Cord wood Telegraph services Repairing roof, etc Stereotype metal, etc. Dravage	9
	The Pacific Transfer Co National Electrical Supply Co Elizabeth City and Norfolk Telegraph Co	Express charges.	18 17
	National Electrical Supply Co	Belting	10
	Elizebeth City and Norfall Talegrenh Co.	Telegraph services	1
	P. C. Poppost	Cord wood	18
	Western Union Welcourth Co	Tolograph sorvices	100
01	western Union Telegraph Co	Popaining roof sta	122
21	B. S. Bennett Western Union Telegraph Co A. G. Burns David Cuthbertson	Repairing root, etc	7.
21	David Cuthbertson	Stereotype metal, etc	18
	A. McC. Ashley	Drayage	3
	A. McC. Ashley H. Hamilton	Drayage Services	
	David Cuthbertson A. McC. Ashley H. Hamilton Geo, Draper Jacksonville Telephone Co W. H. Burch	Drayage Services Coal oil Telegraph services Surveying	2

# $\label{lem:expenditures} \textit{Expenditures of Department of Agriculture for year ending June 30, 1903} \textbf{—} \textbf{Cont'd.}$

te.	Name.	Nature of payment.	Total.
)2.			
. 21	G. W. Emery J. P. Regan W. M. Shuler The Atchison, Topeka and Santa Fe Rwy.	Drayage	\$1.
	J.P.Regan	do	1.
	W.M. Shuler	Painting	1.
	The Atchison, Topeka and Santa Fe Rwy.	Freight charges	20.
	Co.	1	- 1
	Co. Baltimore and Ohio R. R. Co. do. St. Louis Transfer Co. Pennsylvania R. R. Co New York, New Haven and Hartford R. R.	do	1.
	C4 I onio Thomason Co	00	1.
	Poppeylyania P. P. Co	do	1.
	New York New Haven and Hartford R R	do	:
	Co.		
	Wabash R. R. Co	do	
	R. G. Allen	Traveling expenses	15.
	H. B. Hersey	do	68.
	W. V. Martin	do	9.
	H.S. Cole	do	8. 5.
	O. L. Blue	OD	ə, ə1
	A. E. Hackett	do	21. 11.
	F I Walz	Maintananca	49.
	do	Dravage etc	11.
	H. H. Kimball	Lodging and meals	8.
	do	Traveling expenses	5.
	J. I. Widmeyer	do	5. 54.
	W.M. Fulton	do	5.
	New York, New Haven and Hartford R. R. Co. Wabash R. R. Co. R. G. Allen H. B. Hersey W. V. Martin H. S. Cole O. L. Blue A. E. Hackettdo F. J. Walzdo G. H. H. Kimballdo J. I. Widmeyer W. M. Fulton G. E. Turner M. E. Blystone E. M. Keyser Louis Dorman W. J. Rachal P. H. Smyth H. P. Hardin R. W. Gray Central R. R. Co Louisville and Nashville R. R. Co M. Du Perow Clark & Davenportdo J. E. Turton A. Ballinger W. R. Chambers	do	10.
	M. E. Blystone	OD	25. 6.
*	Louis Dorman	Maintenance	21.
	W.J. Rachal	Services	18.
	P. H. Smyth	Repairing typewriter	8.
	H.P. Hardin	Ice, fuel, and oil	18.
	R. W. Gray	Maintenance	16.
	Central R. R. Co	Passenger transportation	6.
	Louisville and Nashville R. R. Co	do	9.
	M. Du Perow	Wire	59.
	do Davenport	do	49. 66.
	J. E. Turton	Instrument shelter	1,671.
	A. Ballinger	Freight transportation	1,011.
30	W. R. Chambers	Services	6.
	Galveston, substations	Pay roll	161.
	Wilmington, substations	do	43.
	Little Rock	do	289. 11.
	Clark & Davenport do J. E. Turton A. Ballinger W. R. Chambers Galveston, substations Wilmington, substations Little Rock J. Warren Smith D. V. Burney A. B. Wollaber H. C. Cooke W. S. Palmer	Traveling expenses	11.
	A B Wollahar	do	19,
	H. C. Cooke	do	49. 14.
	W.S. Palmer	do	36.
			90
	J. H. Kimball	do	31. 4. 2. 5.
	A.J. Mitchell	Express and drayage	4.
	J. L. Bartlett	Station expenses	2.
	C. K. Beanan	Laying carpet.	ə.
	Julien P Friez	do do Express and drayage Station expenses Laying carpet Maintenance Brass sockets Barograph and thermograph	24.
	do	Barograph and thermograph	37. 37.
		pens.	011
	Goodell Co	Pencil pointers	4.
	W. B. Moyers J. Weltner	Repairing river gauge	8.
	J. Weltner	Ink, mucilage, brooms, etc	6.
	John Lang	Services	6.
	H. I. Wohlgomuth	Reeving halyards	2.
	G. L. Ferrin H. J. Wohlgemuth Sioux City, substations	Por voll	2. 3. 28.
	E. H. Emery	Traveling expenses	20.
	Savannah, substations	Pay roll.	2. 68.
	E. H. Emery Savannah, substations L. A. Midgett	Barograph and thermograph pens. Pencil pointers Repairing river gauge Ink, mucilage, brooms, etc. Services Reeving halyards Repairing instruments Pay roll. Traveling expenses Pay roll. Firewood Coal and oil. Express charges do office expenses	40.
	M. R. Perry Adams Express Codo I. M. Cline O. W. Roberts A. J. Davis G. M. Chappel Cleveland A bhe	Coal and oil	61
	Adams Express Co	Express charges	20. 63.
	T Dr Civ	do	63.
	I. M. Uline	Office expenses	9.
	O. W. Koperts.	do Express charges Drayage	4.
	G M Chappel	Drayaga	2. 2.
	G. M. Chappel Cleveland Abbe American Ice Co The Smith Premier Typewriter Co Herman Baumgarten do	Traveling avnances	2. 6.
	American Ice Co	Traveling expenses Ice Typewriter stand Rollers	6.
	The Smith Premier Typewriter Co	Typewriter stand	4. 52.

# $Expenditures of \, Department \, of \, Agriculture for \, year \, ending \, June \, 30, 1903 - {\rm Cont'd.}$

W. F Ruu Aan W. Ev W. Th L.: Jui H. Er G. W. W. Fr N. W. A. A. M. W. S. S. S. H. Bee W.	lark & Davenportdododododo	Linoleum Office furniture Off boards. Pitchers Repairing typewriter Bookcase and table Offi, etc. Bookcase Roof platformdo Instrument shelter Repairs to field glasses Ink and mucilage River gauge Boat furniture Passenger transportation Envelopes Typedo Stair rubber Typewriter and cover Stove off River gauge Firewood Services Services Stereotype metal Carpentry Inks Services Glass.	\$22, 47, 69, 19, 21, 18, 28, 4, 21, 18, 21, 10, 50, 3, 2, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 5, 2, 2, 3, 1, 1, 500, 652, 490, 652, 490, 652, 490, 6652, 6652, 490, 6652, 490, 6652,
W. F Ruu Aan W. Ev W. Th L.: Jui H. Er G. W. W. Fr N. W. A. A. M. W. S. S. S. H. Bee W.	do  A. Schmidt  Lodolph, West & Co  Lodolph, W	Linoleum Office furniture Off boards. Pitchers Repairing typewriter Bookcase and table Offi, etc. Bookcase Roof platformdo Instrument shelter Repairs to field glasses Ink and mucilage River gauge Boat furniture Passenger transportation Envelopes Typedo Stair rubber Typewriter and cover Stove off River gauge Firewood Services Services Stereotype metal Carpentry Inks Services Glass.	47. 69. 19. 21. 18. 28. 44. 41. 45. 10. 50. 8. 2. 2. 18. 18. 18. 18. 18. 20. 6. 6. 6. 6. 6. 6. 90. 0. 7. 18. 20. 6. 5. 22. 490.
W. Ev. W. Th. L.: Ju. H. E. G. W. W. Fr. W. W. Fr. N. A. A. G. G. A. W. A. G. G. W. A. G. W. A. G. W. A. G. W. W. A. G. W. W. A. G. W. W. A. W.	W. B. Moses & Sons.  Vans & Meekins. V. T. Cenlile & Son.  he Villaum Box and Lumber Co.  H. Babcock S. Piper.  ulins Lando L. S. Crocker Co.  rnest McCullough L. Bartlum Vashington Southern Rwy. Co.  Inited States Envelope Co.  merican Type Founders Co.  do.  V. F. Ferguson & Co.  Vyckoff, Seamans & Benedict  rench & Bassett C. Grover  Villiam James B. Pitman  loke Engraving Plate Co. V. H. Field L. M. Kriend L. W. Friend L. W. Gross	Repairing typewriter Bookcase and table Oil, etc Bookcase Roof platform do Instrument shelter Repairs to field glasses Ink and mucilage River gauge Boat furniture Passenger transportation Envelopes Type do Stair rubber Typewriter and cover Stove oil River gauge Firewood Services Stereotype metal Carpentry Inks Services Glass Glass Glass Glass	21. 18. 28. 4. 21. 45. 10. 50. 3. 22. 6. 6. 6. 22. 13. 15. 13. 6. 50. 2. 2. 3. 1. 500. 65. 24. 490.
WEVWTH.  LC.: Ju. HERO WW. WW. Fr. W. A. HO WW. F. N. H. Beec. 6 N. H. H. E. G. G. W. A. C. H. H. E. G. W. A. C. TH	W. B. Moses & Sons.  Vans & Meekins. V. T. Cenlile & Son.  he Villaum Box and Lumber Co.  H. Babcock S. Piper.  ulins Lando L. S. Crocker Co.  rnest McCullough L. Bartlum Vashington Southern Rwy. Co.  Inited States Envelope Co.  merican Type Founders Co.  do.  V. F. Ferguson & Co.  Vyckoff, Seamans & Benedict  rench & Bassett C. Grover  Villiam James B. Pitman  loke Engraving Plate Co. V. H. Field L. M. Kriend L. W. Friend L. W. Gross	Repairing typewriter Bookcase and table Oil, etc Bookcase Roof platform do Instrument shelter Repairs to field glasses Ink and mucilage River gauge Boat furniture Passenger transportation Envelopes Type do Stair rubber Typewriter and cover Stove oil River gauge Firewood Services Stereotype metal Carpentry Inks Services Glass Glass Glass Glass	21. 18. 28. 4. 21. 45. 10. 50. 3. 22. 6. 6. 6. 22. 13. 15. 13. 6. 50. 2. 2. 3. 1. 500. 65. 24. 490.
WEVWEY  Th. C.: Ju. H. C.: Ju. H. C.: WW. W. Fr. W. A. H. G. W. S. H. Be W. W. S.	W. B. Moses & Sons.  Vans & Meekins. V. T. Cenlile & Son.  he Villaum Box and Lumber Co.  H. Babcock S. Piper.  ulins Lando L. S. Crocker Co.  rnest McCullough L. Bartlum Vashington Southern Rwy. Co.  Inited States Envelope Co.  merican Type Founders Co.  do.  V. F. Ferguson & Co.  Vyckoff, Seamans & Benedict  rench & Bassett C. Grover  Villiam James B. Pitman  loke Engraving Plate Co. V. H. Field L. M. Kriend L. W. Friend L. W. Gross	Repairing typewriter Bookcase and table Oil, etc Bookcase Roof platform do Instrument shelter Repairs to field glasses Ink and mucilage River gauge Boat furniture Passenger transportation Envelopes Type do Stair rubber Typewriter and cover Stove oil River gauge Firewood Services Stereotype metal Carpentry Inks Services Glass Glass Glass Glass	21. 18. 28. 4. 21. 45. 10. 50. 3. 22. 6. 6. 6. 22. 13. 15. 13. 6. 50. 2. 2. 3. 1. 500. 65. 24. 490.
WEVWEY  Th. C.: Ju. H. C.: Ju. H. C.: WW. W. Fr. W. A. H. G. W. S. H. Be W. W. S.	W. B. Moses & Sons.  Vans & Meekins. V. T. Cenlile & Son.  he Villaum Box and Lumber Co.  H. Babcock S. Piper.  ulins Lando L. S. Crocker Co.  rnest McCullough L. Bartlum Vashington Southern Rwy. Co.  Inited States Envelope Co.  merican Type Founders Co.  do.  V. F. Ferguson & Co.  Vyckoff, Seamans & Benedict  rench & Bassett C. Grover  Villiam James B. Pitman  loke Engraving Plate Co. V. H. Field L. M. Kriend L. W. Friend L. W. Gross	Repairing typewriter Bookcase and table Oil, etc Bookcase Roof platform do Instrument shelter Repairs to field glasses Ink and mucilage River gauge Boat furniture Passenger transportation Envelopes Type do Stair rubber Typewriter and cover Stove oil River gauge Firewood Services Stereotype metal Carpentry Inks Services Glass	18. 28. 4. 21. 45. 10. 50. 8. 22. 13. 15. 16. 6. 90. 7. 18. 20. 6. 5. 21. 1. 500. 65. 490.
EV Th. Ju. H. Er. W. W. W	Wans & Meekins V. T. Cenlile & Son  the Villaum Box and Lumber Co H. Babcock S. Piper ulius Lando L. S. Crocker Co.  rnest McCullough L. Bartlum Vashington Southern Rwy. Co.  nited States Envelope Co  merican Type Founders Co do Vyckoff, Seamans & Benedict  rench & Bassett C. Grover Villiam James B. Pitman loke Engraving Plate Co V. H. Field L. H. McNeil L. W. Friend L. W. Gross	BOOKCASE Roof platform do Instrument shelter Repairs to field glasses Ink and mucilage River gauge Boat furniture Passenger transportation Envelopes Type do Stair rubber Typewriter and cover Stove oil River gauge Firewood Services Stereotype metal Carpentry Inks Services Glass	4. 21. 45. 10. 50. 3. 2. 6. 6. 22. 13. 15. 13. 6. 90. 7. 7. 7. 7. 18. 20. 6. 5. 21. 21. 21. 21. 21. 21. 21. 21. 21. 21
EV Th L. S. J. U. H. Er G. W. W. W. Th N. W. W. Th N. W. W. Th N. W. W. S. G. H. Be W. W. M. S. G. H. H. H. E. G. A. W. A. G. G. W. C. T. H.	Wans & Meekins V. T. Cenlile & Son  the Villaum Box and Lumber Co H. Babcock S. Piper ulius Lando L. S. Crocker Co.  rnest McCullough L. Bartlum Vashington Southern Rwy. Co.  nited States Envelope Co  merican Type Founders Co do Vyckoff, Seamans & Benedict  rench & Bassett C. Grover Villiam James B. Pitman loke Engraving Plate Co V. H. Field L. H. McNeil L. W. Friend L. W. Fross	BOOKCASE Roof platform do Instrument shelter Repairs to field glasses Ink and mucilage River gauge Boat furniture Passenger transportation Envelopes Type do Stair rubber Typewriter and cover Stove oil River gauge Firewood Services Stereotype metal Carpentry Inks Services Glass	4. 21. 45. 10. 50. 3. 2. 6. 6. 22. 13. 15. 13. 6. 90. 7. 7. 7. 7. 18. 20. 6. 5. 21. 21. 21. 21. 21. 21. 21. 21. 21. 21
ec. 6  C. Ju H. F. F. W. W. W. W. W. W. H. G. H. R.	S. Piper Ullins Lando L. S. Crocker Co L. Crocker Co L. Barthum Vashington Southern Rwy. Co Inited States Envelope Co merican Type Founders Co do V. F. Ferguson & Co Vyckoff, Seamans & Benedict. rench & Bassett L. C. Grover Villiam James B. Pitman loke Engraving Plate Co V. H. Field L. H. McNeil L. W. Gross	BOOKCASE Roof platform do Instrument shelter Repairs to field glasses Ink and mucilage River gauge Boat furniture Passenger transportation Envelopes Type do Stair rubber Typewriter and cover Stove oil River gauge Firewood Services Stereotype metal Carpentry Inks Services Glass	21. 45. 10. 50. 3. 2. 6. 6. 22. 13. 15. 15. 20. 6. 5. 2. 2. 490. 65. 490.
EC. 6  Under H. G. W. W. W. G. G. G. A. W. A. G. G. W. G. G. W. G. G. W. G. G. W. A. G. G. W. G.	S. Piper Ullins Lando L. S. Crocker Co L. Crocker Co L. Barthum Vashington Southern Rwy. Co Inited States Envelope Co merican Type Founders Co do V. F. Ferguson & Co Vyckoff, Seamans & Benedict. rench & Bassett L. C. Grover Villiam James B. Pitman loke Engraving Plate Co V. H. Field L. H. McNeil L. W. Gross	River gauge Bost furniture Passenger transportation Envelopes Type do Stair rubber Typewriter and cover Stove oil River gauge Firewood Services Stereotype metal Carpentry Inks Services Glass	10. 50. 3. 2. 6. 6. 22. 13. 15. 15. 18. 20. 6. 5. 2. 2. 3. 1. 500. 652. 490.
E. C. G. A. C.	S. Piper Ullins Lando L. S. Crocker Co L. Crocker Co L. Barthum Vashington Southern Rwy. Co Inited States Envelope Co merican Type Founders Co do V. F. Ferguson & Co Vyckoff, Seamans & Benedict. rench & Bassett L. C. Grover Villiam James B. Pitman loke Engraving Plate Co V. H. Field L. H. McNeil L. W. Gross	River gauge Bost furniture Passenger transportation Envelopes Type do Stair rubber Typewriter and cover Stove oil River gauge Firewood Services Stereotype metal Carpentry Inks Services Glass	50. 3. 2. 6. 6. 22. 13. 15. 13. 6. 90. 7. 18. 20. 6. 5. 2. 3. 1. 1. 500. 6552.
Ju H. G. Wi VM Fr N  A. HO WH. C.H. Ra R. N  W. S. H. Beec. 6 N. H. E. G. A. W. A. G. W. C. T. H. A. C. T. H. H. A. C. T. H. H. C. T. H. A. C. T. H. H. A. C. T. H	ulins Lando L. S. Crocker Co rnest McCullough L. Barthum Vashington Southern Rwy. Co inted States Envelope Co merican Type Founders Co do V. F. Ferguson & Co Vyckoff, Seamans & Benedict rench & Bassett C. Grover Villiam James B. Pitman loke Engraving Plate Co V. H. Field L. H. McNeil W. Friend L. W. Gross	River gauge Bost furniture Passenger transportation Envelopes Type do Stair rubber Typewriter and cover Stove oil River gauge Firewood Services Stereotype metal Carpentry Inks Services Glass	3. 2. 6. 6. 22. 13. 13. 15. 13. 15. 120. 6. 5. 2. 2. 3. 1. 1. 500. 652. 490.
W. W. W. W. W. W. W. A. M. W. S. S. H. B. B. W. W. W. W. W. W. W. W. W. M. H. H. E. G. A. W. A. G. G. W. A. G. W. C. T. H. W. C. T. H. W. C. T. H. W. C. T. H. W. C. C. T. H. W. C. C. T. H. W. C. C. T. H. W. A. G. W. C. C. T. H. W. M. A. G. W. C. C. T. H. W. M.	Vashington Southern Rwy. Conited States Envelope Comerican Type Founders Codo.  do Vyckoff, Seamans & Genedict rench & Bassett. C. Grover Villiam James B. Pitman loke Engraving Plate CoV. Heiel H. McNeil W. Friend L. W. Gross	River gauge Bost furniture Passenger transportation Envelopes Type do Stair rubber Typewriter and cover Stove oil River gauge Firewood Services Stereotype metal Carpentry Inks Services Glass	6. 22. 13. 15. 15. 15. 16. 90. 77. 18. 20. 6. 5. 2. 3. 1. 1. 500. 652. 490.
W. W. W. W. W. W. W. A. M. W. S. S. H. B. B. W. W. W. W. W. W. W. W. W. M. H. H. E. G. A. W. A. G. G. W. A. G. W. C. T. H. W. C. T. H. W. C. T. H. W. C. T. H. W. C. C. T. H. W. C. C. T. H. W. C. C. T. H. W. A. G. W. C. C. T. H. W. M. A. G. W. C. C. T. H. W. M.	Vashington Southern Rwy. Conited States Envelope Comerican Type Founders Codo.  do Vyckoff, Seamans & Genedict rench & Bassett. C. Grover Villiam James B. Pitman loke Engraving Plate CoV. Heiel H. McNeil W. Friend L. W. Gross	Passenger transportation Envelopes Type do Stair rubber Typewriter and cover Stove oil River gauge Firewood Services Stereotype metal Carpentry Inks Services Glass	6. 22. 13. 15. 15. 15. 16. 90. 77. 18. 20. 6. 5. 2. 3. 1. 1. 500. 652. 490.
W. W. W. W. W. W. W. A. M. W. W. W. W. W. M.	Vashington Southern Rwy. Conited States Envelope Comerican Type Founders Codo.  do Vyckoff, Seamans & Genedict rench & Bassett. C. Grover Villiam James B. Pitman loke Engraving Plate CoV. Heiel H. McNeil W. Friend L. W. Gross	Passenger transportation Envelopes Type do Stair rubber Typewriter and cover Stove oil River gauge Firewood Services Stereotype metal Carpentry Inks Services Glass	6. 22. 13. 15. 15. 15. 16. 90. 77. 18. 20. 6. 5. 2. 3. 1. 1. 500. 652. 490.
WW WF FIN N. W. A. HO W. H. C. HA R. R. R. W. S. S. H. B. B. W. W. W. J. M. H. H. E. G. A. W. A. G. G. W. A. G. W. C. T. H.	Inited States Envelope Comerican Type Founders Codo. V. F. Ferguson & CoVyckoff, Seamans & Benedictvench & BassettC. GroverVilliam JamesB. Pitmanloke Engraving Plate CoV. H. FieldL. H. McNeilW. FriendL. W. Gross	Type do do Stair rubber Typewriter and cover Stove oil River gauge Firewood Services Stereotype metal Carpentry Inks Services Glass	22. 13. 15. 13. 6. 90. 7. 18. 20. 6. 5. 2. 3. 1. 500. 652.
WW WF FIN N. W. A. HO W. H. C. HA R. R. R. W. S. S. H. B. B. W. W. W. J. M. H. H. E. G. A. W. A. G. G. W. A. G. W. C. T. H.	Inited States Envelope Comerican Type Founders Codo. V. F. Ferguson & CoVyckoff, Seamans & Benedictvench & BassettC. GroverVilliam JamesB. Pitmanloke Engraving Plate CoV. H. FieldL. H. McNeilW. FriendL. W. Gross	Type do do Stair rubber Typewriter and cover Stove oil River gauge Firewood Services Stereotype metal Carpentry Inks Services Glass	13. 15. 13. 6. 90. 7. 18. 20. 5. 2. 3. 1. 500. 652. 490.
W. W. W. Fr. N. W. A. H. G. H. Ra R.	. do V. F. Ferguson & Co Vyckoff, Seamans & Benedict. Trench & Bassett I. C. Grover Villiam James B. Pitman Ioke Engraving Plate Co V. H. Field I. H. McNeil W. Friend L. W. Gross	do Stair rubber Typewriter and cover Stove oil River gauge Firewood Services Stereotype metal Carpentry Inks Services Glass	13. 6. 90. 7. 18. 20. 6. 5. 2. 3. 1. 1. 500. 652. 490.
A. A	Villiam James B. Pitman loke Engraving Plate Co V. H. Field I. H. McNeil W. Friend I. W. Oross	do Stair rubber Typewriter and cover Stove oil River gauge Firewood Services Stereotype metal Carpentry Inks Services Glass Launch Paper Services Index cards Cieaning clock	6. 90. 7. 18. 20. 6. 5. 2. 3. 1. 500. 652. 490.
A. A	Villiam James B. Pitman loke Engraving Plate Co V. H. Field I. H. McNeil W. Friend I. W. Oross	Stair rubber Typewriter and cover Stove oil River gauge Firewood Services Stereotype metal Carpentry Inks Services Glass Launch Paper Services Index cards Cleaning clock	7. 18. 20. 6. 5. 2. 3. 1. 500. 652. 490.
A. A	Villiam James B. Pitman loke Engraving Plate Co V. H. Field I. H. McNeil W. Friend I. W. Oross	Stove oil River gauge Firewood Services Stereotype metal Carpentry Inks Services Glass Launch Paper Services Index cards Cleaning clock	7. 18. 20. 6. 5. 2. 3. 1. 500. 652. 490.
A. H. H. Bee W. S. S. H. H. E. A. C. A. W. A. G. W. A. G. W. A. G. W. C. T.	Villiam James B. Pitman loke Engraving Plate Co V. H. Field I. H. McNeil W. Friend I. W. Oross	River gauge Firewood Services Stereotype metal Carpentry Inks Services Glass Launch Paper Services Index cards Cleaning clock	18. 20. 6. 5. 2. 3. 1. 500. 652. 490.
R. Na W. S. S. H. Be W. Jn H. H. E. G. A. W. A. G. W. C. T. T.	Villiam James . B. Pitman loke Engraving Plate Co V. H. Field I. H. McNeil . W. Friend I. W. Gross . Cacine Boat Manufacturing Co . P. Andrews & Co. (Incorporated) lational Electrical Supply Co. Vm. H. Hoskins Co. (Incorporated) . Spitz.	Firewood Services Stereotype metal Carpentry Inks Services Glass. Launch Paper Services Index cards Cleaning clock	20. 6. 5. 2. 3. 1. 500. 652. 490.
Ec. 6 N. H. H. E. G. A. W. A. G. W. C. T. T.	. B. Pitman loke Engraving Plate Co V. H. Field I. H. McNeil . W. Friend I. W. Gross lacine Boat Manufacturing Co . P. Andrews & Co. (Incorporated) lational Electrical Supply Co Vm. H. Hoskins Co. (Incorporated) . Spitz	Services Stereotype metal Carpentry Inks Services Glass Launch Paper Services Index cards Cleaning clock	6. 5. 2. 3. 1. 500. 652. 490.
R. Na W. S. S. H. Be W. Jn H. H. E. G. A. W. A. G. W. C. T. T.	loke Engraving Plate Co V. H. Field I. H. McNeil I. W. Friend I. W. Gross acine Boat Manufacturing Co L. P. Andrews & Co. (Incorporated) Iational Electrical Supply Co Vm. H. Hoskins Co. (Incorporated) Spitz Spitz	Stereotype metal Carpentry Inks Services Glass Launch Paper Services Index cards Cleaning clock	2. 3. 1. 1. 500. 652. 490.
R. Na W. S. S. H. Be W. Jn H. H. E. G. A. W. A. G. W. C. T. T.	V. H. Field I. H. McNeil V. W. Friend I. W. Gross Cacine Boat Manufacturing Co V. P. Andrews & Co. (Incorporated) Cational Electrical Supply Co Vm. H. Hoskins Co. (Incorporated) Spitz Spitz	Carpentry Inks Services Glass Launch Paper Services Index cards Cleaning clock	1. 500. 652. 490.
R. Na W. S. S. H. Be W. Jn H. H. E. G. A. W. A. G. W. C. T. T.	l. H. McNell . W. Friend I. W. Gross acine Boat Manufacturing Co P. Andrews & Co. (Incorporated) lational Electrical Supply Co Vm. H. Hoskins Co. (Incorporated) .Spitz.	Inks Services Glass Launch Paper Services Index cards Cleaning clock	1. 500. 652. 490.
R. Na W. S. S. H. Be W. Jn H. H. E. G. A. W. A. G. W. C. T. T.	. W. Friend I. W. Gross acine Boat Manufacturing Co P. Andrews & Co. (Incorporated) lational Electrical Supply Co Ym. H. Hoskins Co. (Incorporated) Spitz	SerVices Glass. Launch Paper Services Index cards Cleaning clock	1. 500. 652. 490.
R. Na W. S. S. H. Be W. Jn H. H. E. G. A. W. A. G. W. C. T. T.	L. W. GFOSS. Jacine Boat Manufacturing Co J. P. Andrews & Co. (Incorporated) Jational Electrical Supply Co. Vm. H. Hoskins Co. (Incorporated) Spitz.	Class. Launch Paper Services Index cards. Cleaning clock	500. 652. 490.
R. Na W. S. S. H. Be W. Jn H. H. E. G. A. W. A. G. W. C. T. T.	P. Andrews & Co. (Incorporated) fational Electrical Supply Co Vm. H. Hoskins Co. (Incorporated) Spitz	Paper Services Index cards Cleaning clock	652. 490.
A. E. G. A. W. G. W. C.	(ational Electrical Supply Co	Services Index cards Cleaning clock	490.
A. E. G. A. W. G. W. C.	Vm. H. Hoskins Co. (Incorporated) . Spitz	Index cards Cleaning clock	
A. E. G. A. W. G. W. C.	Spitz	Cleaning clock	6.
A. E. G. A. W. G. W. C.			2.
A. E. G. A. W. G. W. C.	I.F. Farley	River-gauge work	6. 2. 3.
A. E. G. A. W. G. W. C.	endeinagel & Co	Recasting rollers, etc	1.
A. E. G. A. W. G. W. C.	Vestern Union Telegraph Co	Services	450.
A. E. G. A. W. G. W. C.	v. F. R. Phillips et al.	Pay roll, climatology	522. 2,891.
A. E. G. A. W. G. W. C.	B Conger	Services Pay roll, climatology Printing office Trayeling expenses	207
A. E. G. A. W. G. W. C.	I. C. Merrill	do Meals and lodging Traveling expenses Station expenses Traveling expenses do do Subsistance atc	207. 23. 30.
A. E. G. A. W. G. W. C.	I. H. Kimball	Meals and lodging	30.
A. E. G. A. W. G. W. C.	R. Richards	Traveling expenses	8. 7.
A. G. W. C. T.	do . J. Mitchell	Station expenses	7.
A. G. W. C. T.	.J. Mitchell	Traveling expenses	8.
A. G. W. C. T.	C. Vose	do	9.
W. A. G. W. C. T.	H. Thiessen	Subsistance eta	19. 31.
A. G. W. C. T. H. A. A. A. A. A. Pe	Vm G Burne	Subsistence	45
G. W C. T. H. A.	. H. Thiessen Vm G. Burns . C. Pickels t. T. Todd V. M. Fulton . E. Asheroft, jr T. Townsend I. K. Holcomb Wiesner	Subsistence, etc Subsistence Trayeling expenses	45. 21.
WC. T. H. A. Ad Pe	T. Todd	do	3.
C. T. H. A. Ad Pe	V. M. Fulton	Station expenses	17. 3.
9 Ne	E. Ashcroft, jr	Express charges Station expenses	3.
H. A. Ad Pe	T. Townsend	Station expenses	5.
9 Ne	Wiegney	Station expenses Station supplies Traveling expenses Transportation do Pay roll Traveling expenses do do Windyspas supports	1.
9 Pe	. Wiesner .dams Express Co .vennsylvania R. R. Co .lew York substations .t. W. Richardson .d. A. Donnell V. H. Watters	Transportation	51. 13.
9 Ne	Pennsylvania R. R. Co	do	77.
	Jew York substations	Pay roll	35.
H.	I.W. Richardson	Traveling expenses	5. 9.
C	A. Donnell	do	9.
W	V. H. Watters	do	5.
			1.
Pe		Station expenses	4. 24.
M.	Peter Wood	do	19.
N.	Peter Wood I. J. Nash J. T. Nishett	Repairing river gauge	9.
Ar	eter Wood I. J. Nash I. T. Nisbett I. C. Dawson	Repairing typewriter	9. 39.
	l. C. Dawson	Typewriter	79
J. 7	N. C. Dawson American Writing Machine Co	Direct bases shoo	26.
M.	N. C. Dawson American Writing Machine Co	Dust brusnes	19. 18.
A.	N. C. Dawson American Writing Machine Co	Saw blades	18.
- 7	M.C.Dawson American Writing Machine Co	Saw blades Glass and attaching frames to	
N <sub>1</sub>	(. C. Dawson merican Writing Machine Co do I. Holcomb Manufacturing Co I. F. & Jno. Barnes Co C. Parker	wall	40
Mr.	I. C. Dawson merican Writing Machine Co do I. Holcomb Manufacturing Co I. F. & Jno. Barnes Co L. C. Parker  Liles Pease Furniture Co	Cleaning carnet, etc	48.
G	(. C. Dawson merican Writing Machine Co do I. Holcomb Manufacturing Co I. F. & Jno. Barnes Co C. Parker	Cleaning carnet, etc	48. 2. 2.

# Expenditures of Department of Agriculture for year ending June 30, 1903—Cont'd. GENERAL EXPENSES, WEATHER BUREAU—Continued.

te.	Name.	Nature of payment.	Total.
)2.			
9	John Underwood & Co	Semicarbon paper	\$45.
	F. L. Wing M. F. Hayes E. D. Beattie	Matting, etc Drayage Printing climate and crop bul	8.1
	M.F. Hayes	Drayage	1
	E.D. Beattie	Printing climate and crop bul	36.
		letins	~
	John Lang	Repairing telegraph line	2. 6.
	R. W. Cook	Repairing wind vane	6,.
	L. C. Hall	Repairing telegraph line	2. 2.
	The Henry Walke Co	Repairing telegraph line Repairing wind vane Repairing telegraph line Circular saws	2.
		Wire solder Platinum iridium	E 4.
	R. W. Cook L. C. Hall The Henry Walke Co do Eimer & Amend Chas I Smith	Platinum iridium	54.
	Chas. J. Smith The Davis Kaser Co Morse & Land	Blotter bath, etc Office furniture	7. 10.
	Moreo & Land	Constructing tower, instrument	200.
		shelten ete	200.
	Thayer & Jackson Stationery Co W. H. H. Smith W. O. Davey & Sons Standard Oil Co Oregon Short Line R. R. Co Addressograph Co Evans & Meekins	Cutting paper into sheets	1.
	W H H Smith	Talagraph poles	175.
	W O Davey & Sons	Cutting paper into sheets Telegraph poles Trunk boards	51.
	Standard Oil Co	Oil	5.
	Oregon Short Line R. R. Co	Renairing guy rod	2.
	Addressograph Co	Addressograph and cabinet	2. 45.
	Evans & Meekins	Station supplies	8.
	G. S. Bruce & Co.	Window shades and carpet	8. 45.
	G. S. Bruce & Co. George Innes & Co. E. G. Pluke	Oil Repairing guy rod Addressograph and cabinet Station supplies Window shades and carpet Carpet Painting anemometer supports.	56.
	E.G. Pluke	Painting anemometer supports.	5
	R. C. Evans	Office rent	8.
	The Amarillo Grain and Coal Co	Office rent	7.
	John Carter & Co	Paper	8. 7. 51.
•	R. C. Evans The Amarillo Grain and Coal Co. John Carter & Co T. M. Caldwell S. V. Auctin	Paper Erecting wind vane, etc. Repairing river gauge Electric-light attachments.	12.
	S. Y. Austin Florida Electric Co Lewiston Furniture and Undertaking Co.	Repairing river gauge	5.
	Florida Electric Co	Electric-light attachments	5. 13.
	Lewiston Furniture and Undertaking Co		10.
	Jno. T. Odee	Repairing instrument shelter	1.
	C. E. Johnson	Repairing telegraph line	1.
	Chamberlain & Taylor	Repairing telegraph line Ink and mucilage Office rent	11.
	Jno. T. Odee C. E. Johnson Chamberlain & Taylor Tacona Chamber of Commerceand Board	Office rent	75.
	of Trade.	D	
	O. W. Bye	Repairing telegraph line	1.
	H. A. Poole	Hire of horse Oil	2.
	racoma Chamber of Commerceand Board of Trade. O. W. Bye H. A. Poole Yates & Co Broderick Bros Clark & Davenport do E. Morrison Paper Co	Oil	2.
	Broderick Bros	Rags Carpet	14. 126.
	da Davenport	Lindow	120.
	do W. B. Moses & Sons Geo. F. Muth & Co. do do Campbell Printing Press and Manufacturing Co.	Linoleum	22. 57.
	W P Mosos & Cons	Paper Office furniture	28.
	Goo F Muth & Co	Type	2.
	do	Asphaltum Lantern wicks Air valve	ĩ.
	do	Lantern wieke	2.
	Campbell Printing Press and Manufactur-	Air valve	
	ing Co.	1111 VALIVO	
	The Addressograph Co	Line holders and links	
	Lake Erie and Western R. R. Co	Passenger transportation	3.
	Northern Michigan Transportation Co	do	2.
	Oregon Short Line B. R. Co	do	10.
	Southern Rwy, Co.	do	17.
	do	do	17. 101.
	mg Co. The Addressograph Co Lake Erie and Western R. R. Co. Northern Michigan Transportation Co. Oregon Short Line R. R. Co. Southern Rwy. Co. do. Oregon Railroad and Navigation Co. Lake Shore and Michigan Southern Rwy.	do	12.
	Lake Shore and Michigan Southern Rwy.	do	12. 26.
	Co.		
	Central of Georgia Rwy. Co	do	4.
	Boston and Maine R. R.	do	4.
	do	do	4. 26.
	Union Pacific R. R. Co.	do	26.
	Baltimore and Ohio R. R.	do	25.
	Chicago and Northwestern Rwy. Co	do	27.
	Ann Arbor R. R. Co	do	25. 27. 8.
	Michigan Central R. R. Co	do	36.
	Great Northern Rwy. Co	do	25.
	Pennsylvania Co	do	7.
	Grand Trunk Rwy. System	do	8.
	Co. Central of Georgia Rwy. Co Boston and Maine R. R.  do Union Pacific R. R. Co. Baltimore and Ohio R. R. Chicago and Northwestern Rwy. Co Ann Arbor R. R. Co Michigan Central R. R. Co Great Northern Rwy. Co Pennsylvania Co Grand Trunk Rwy. System do Chicago, Milwaukee and St. Paul Rwy. Co Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.	do	6.
	Chicago, Milwaukee and St. Paul Rwy. Co.	do	20. 11.
	Chicago, St. Paul, Minneapolis and Omaha	(10	11.
	Rwy. Co.	3-	10
	Garveston, Houston and Northern Rwy. Co.		12.
	Atlantic City R. R. Co.	do	1. 4.
	Rwy. Co. Galveston, Houston and Northern Rwy. Co. Atlantic City R. R. Co. Astoria and Columbia River R. R. Co. Atchison, Topeka and Santa Fe Rwy. Co. Santa Fe, Prescott and Phoenix Rwy. Co. Texas Pacific Rwy. Co.	OD	4.
	Atchison, Topeka and Santa Fe Rwy. Co	00	14. 127. 14.

 $Expenditures of \ Department \ of \ Agriculture for year \ ending \ June \ 30,1903-{\bf Cont'd}.$ 

Date.	Name.	Nature of payment.	Total.
1902. ec. 9			
ec. 9	Delaware, Lackawanna and Western R. R. Co.	Passenger transportation	\$11.2
	The Pullman Co	Express charges	5.5
	S. C. Dooley	Dravage	5.0 .2
	Duluth, South Shore and Atlantic Rwy. Co.	Freight charges	. 5
	Wm. J. Crawford	Dravage	$\frac{.8}{1.5}$
	Wells, Fargo & Co. Express. S.C. Dooley Duluth, South Shore and Atlantic Rwy. Co. Rome, Watertown and Ogdensburg R. R. Wm. J. Crawford Littlefield, Alvord & Co. New York, New Haven and Hartford R. R. Co.	do	42.1
	Co.	Freight charges	1.0
	Atlantic Coast Line R. R. Co	do	7.7
	Mohawk and Malone Rwy.	do	1.0
	A. A. McCarkle	do	. 1
	Crocker-Wheeler Co	Carbon brushes	845. 4
4.0	Cumberland Building Co	Repairing river gauge	15. 0
18	F.J. Walz S.D. Flora	Traveling expenses	149. 6 14. 5
	A. G. McAdie	do	6.0
	Co. Atlantic Coast Line R. R. Co. Missouri Pacific Rwy. Co. Mohawk and Malone Rwy. A. A. McCarkle J. C. Parker Crocker-Wheeler Co. Cumberland Bullding Co. F. J. Walz S. D. Flora A. G. McAdie F. H. Duff J. W. Bauer	do	2.0
	F. P. Chaffee	do	8.1 20.7
	G. H. Noyes	Passanger transportation	5. U
	F. P. Chaffee G. H. Noyes Florida East Coast Rwy. Co The Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co	dodo	18.0 46.5
	Louis Rwy.Co. Baltimore and Ohio R.R. The Chesapeake and Potomac Telephone	Telephone services	32. 2 3. 2
	Co. Alabama and Georgia Long-Distance Tele- phone Co.		7.9
	do	do	8.1
	Aurora and Friendship Telephone Line Alabama, Mississippi and Tennessee Tele-	do	8.1 7.5 7.5
	Alabama, Mississippi and Tennessee Telephone Co.	do	6.7
	The Central District Printing Telegraph Co.	Telegraph services	6.2
	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.	do	22,0
	Rwy. Co. Cumberland Telephone and Telegraph Co. Home Telephone Co. Marthas Vineyard Telegraph Co. Corvallis and Eastern R. R. Co. Postal Telegraph Cable Co. of Texas. Pacific States Telephone and Telegraph Co. do. J. T. Harper Jacksonville and St. Johns Bar Telegraph Line.	do	96.7 4.0
	Marthas Vineyard Telegraph Co	do	25. 4 2. 7
	Corvallis and Eastern R. R. Co	do	2. 7 64. 0
	Pacific States Telephone and Telegraph Co.	do	6.9
	do	do	8.8 9.6
	J. T. Harper	do	9.2
	Jacksonville and St. Johns Bar Telegraph	do	6.0
·	Great Northwestern Telegraph Co. of	do	160.6
	Canada. Philadelphia, Reading and Pottsville Telegraph Co. F. H. Brandenburg O. D. Stewart H. F. Alps Louis Dorman	do	. 2
	F. H. Brandenburg	Station expenses	2.0 3.2
	H. F. Alps	do	11.2
	Louis Dorman	ado Subsistence Repairs to roof, etc. Drayage Repairing clock, etc Subsistence Services and gasoline Station expenses Subsistence	21.0
	Allen Buell W. S. Currier F. Z. Gosewisch	Dravage	4.7 2.2 .7 25.3
	F. Z. Gosewisch	Repairing clock, etc	2.7
	C. A. Donnell H. P. Hardin	Subsistence Services and gasoline	29. 8 29. 9
	S. S. Bassler	Station expenses	3.6
	C. A. Donnell H. P. Hardin S. S. Bassler J. H. Kimball Hoke Engraving Plate Co do do Addressograph Co do Standard Oil Co Peter Gray	Subsistence Recoating base plates	30.0 50.0
	do	Stereotype metal, antimony, etc	14.9
	Address of the Co	Stereotype metal, antimony, etc Recoating base plates Parts for addressograph Cabinet	287.5 2.1
	dodo	Cabinet	2. 1 11. 3
	Standard Oil Co	Gasoline	19.8 8.0
	I Richard	Repairing storm-warning lanterns. Thermometer tubes	121.2
	J. Richard Patterson Transfer Co Seth Thomas Clock Co J. C Entwistle	Drayage	1.0
	Seth Thomas Clock Co	Clocks	55. 4

# $\label{lem:expenditures} \textit{Expenditures of Department of Agriculture for year ending June 30, 1903} - \texttt{Cont'd}.$

Date.	Name.	Nature of payment.	Total.
1902.	Charles Falk The Maurice Joyce Engraving Co. F. A. Schmidt J. H. Bunnell & Co. R. Carter Ballantynedo		
ec. 18	Charles Falk	Painting rain gauge	\$4.00 10.70 15.00
	The Maurice Joyce Engraving Co	Engraving plates	10.70
	T. H. Puppell & Co	Standard voley	10.00
	P. Cartor Ballantyna	Paner	7.50 39.20
	do	Fasteners	43.49
	W. B. Moses & Sons	Chairs	11.80
	Frederick & Nelson	Furniture polish, brooms, etc	4.00 24.50 16.20 24.50
	Woodward & Lothrop	Desk	24.50
	do	Chairs	16.20
	do	Desk	24.50
	Illinois Central R. R. Co	Freight transportation	1. 70
	Pennsylvania R. R. Co	do	1. 10
	do	do	. 79
	do	do	. 70
	do ~	do	. 3
	Central Vermont Rwy. Co	do	. 78
	Boston and Albany R. R	do	1.88
	Southern Rwy. Co.	do	1.77
	Washington Southern Rwy. Co.	do	1.80
	Lakeside and Marblehead R. R. Co	do	5.00
	U Callanan, Nelson & Co	00	1.00
	Inmov Hunton	do	. 67 29. 50
	I I Heggety	do	29. 30
	The Oregon Short Line R. R. Co.	do	6. 09
22.	W. B. Moses & Sons	Chair	4.7
	do	Chairs	4.73 30, 90
	do	Table	11.56 11.56 18.06
	do	do	11.50
	J. B. Lambie	Hooks	18.00
	do	Rope, etc.	9.39
	do	Tools, etc	4.90
	Western Union Telegraph Co	Telegraphic services	120. 2 6. 2
	do	do	591.5
	do	do	50.0
	do	do	50.03 89.30
	Rocky Mountain Bell Telephone Co	do	2. 1. 5. 20
	Baltimore and Ohio R. R. Co	do	5.20
	Chicago, Burlington and Quincy R. R. Co	do	4.9
	Rising Sun Telegraph Line	do	2. 4
	Alabama Mississippi and Tamasasa Tala		6, 6, 6, 0
	phone Co.	do	0,0
	Moncure and Pittsboro Telegraph Co	do	. 86
	Ocean Tow Boat Line	do	60, 0
	New England Telephone and Telegraph Co.	do	5.10 43.50
	Pacific States Telephone and Telegraph Co.	do	43.50
	do	do	10.80
	Elizabeth City and Norfolk Telegraph Co.	do	3.8
	H B Horsey	Trovoling oxnonges	73.0 63.7 9.5
	American Writing Machine Co	Renairing typewriter	05. 7
	do	Platen for typewriter	2.0
	New England Telephone and Telegraph Co.	Telephone services	.2
	The Tyrrell County Telephone Co	đo	3.9
	North Mountain Telephone Co	do	23.0
	Moncure and Pittsboro Telegraph Co- Ocean Tow Boat Line New England Telephone and Telegraph Co- Pacific States Telephone and Telegraph Co- do Elizabeth City and Norfolk Telegraph Co- International Ocean Telegraph Co- H. B. Hersey American Writing Machine Co- do New England Telephone and Telegraph Co- The Tyrrell County Telephone Co- North Mountain Telephone Co- Illinois Central R. R. Co- Pennsylvania Co- Louisville and Nashville R. R. Co- F. A. Schmidt Clark & Davenport	Passenger transportation	19.3 10.5
	Pennsylvania Co	do	10.5
	Louisville and Nashville R. R. Co.	Oil boards	38.8
	Clark & Davenport	Carpet	15. 7 43. 5
	John C. Parker		24.0
	Wyckoff, Seamans & Benedict	Repairing typewriter	14.5
	F. A. Schmidt Clark & Davenport John C. Parker Wyckoff, Seamans & Benedict H. J. Green Beton Creek	Repairing typewriter Thermometer Thumb screws for lantern Cardboard	3.0
	Peter Gray	Thumb screws for lantern	2.4
	Geo. W. Millar & Co.	Cardboard	490.4
	H. J. Green Peter Gray Geo. W. Millar & Co R. Carter Ballantyne Arkansas Democrat Co Meteorological Council New York Telephone Co. Evans. & Meekins L. F. Willoughby Van Bibber Roller Co. E. C. Palmer & Co. (Limited) Kelley Island Line and Transportation Co. J. S. Pinney Barber & Ross.	Cardboard Envelopes Recasting rollers Compiling telegrams Telephone services Team hire Recasting rollers do Printing supplies Erecting storm warning tower Furniture and printers' supplies Hand tack pullers	30, 0
	Arkansas Democrat Co	Recasting rollers	4.2 11.1
	New York Tolorbone Co	Compiling telegrams	11.1
	Evans & Mooking	Telephone services	3.0 48.0
	L. F Willoughby	Recasting rollers	48.0
	Van Bibber Roller Co	do	4.0
	E. C. Palmer & Co. (Limited)	Printing supplies	17. 4
	Kelley Island Line and Transportation Co.	Erecting storm warning tower	45.0
	J. S. Pinney	Furniture and printers' supplies	198.2
	Barber & Ross	Hand tack pullers	4.6

ate.	Name.	Nature of payment.	Total.
902.			
c. 22	Elizabeth Davison	Services	\$6.
	D Frenk Perker	Services Typewriter ribbons	\$6. 27.
	F. L. Wing	Laving carpet	4.
	F. L. Wing H. P. Watson W. S. Jenks	Laying carpet Cypress poles Battery trays	4. 10.
	W. S. Jenks	Battery trays	12.
	W. S. Jeliks Standard Oil Co National Printers' Supply Co. American Type Founders Co. Broderick Bros Keystone Type Foundry Foote, Pierson & Co. Chas. Genschaw	Oil Brushes Brass ovals	6.
	National Printers' Supply Co	Brushes	4.
	American Type Founders Co	Brass ovals	1.
	Broderick Bros	Rags Printing materials Spark arrester Clearing brush from telegraph	14.
	Keystone Type Foundry	Printing materials	8. 2.
	Foote, Pierson & Co.	Spark arrester	2.
	Chas. Genschaw	Clearing brush from telegraph	16.
			7.10
	J. & A. Bosch	Seismograph Gordon cells	149.
	Western Electric Co The Marine Review Publishing Co Theodore Schallere Delaware and Hudson Co.	Gordon cells	6.
	The Marine Review Publishing Co	Subscription	4.
	Theodore Schallere	Installing map frames	14.
	Delaware and Hudson Co	Freight transportation	1.
	do	do	1.
	Pennsylvania R. R. Co	do	$\tilde{1}$ .
	Illmois Central R. R. Co.	do	14.
	Boston and Maine R. R.	do	14.
	Chesapeake and Ohio Rwy. Co	do	3.
	Star Union Line	do	1.
	LAD COLOR	do	
	Theodore Schallere Delaware and Hudson Co. do  Pennsylvania R. R. Co. Illinois Central R. R. Co. Boston and Maine R. R. Chesapeake and Ohio Rwy. Co. Star Union Line do atlantic Coast Line do Washington County R. R. Co. Cornwall and Lebanon R. R. Co. The Denver and Rio Grande R. R. Co. S. C. Dooley M. Du Perow B. B. McCay A. J. Davis R. J. Hyatt J. W. Smith do G. Goers A. H. Thiessen L. G. Widgens & Co.	do	1.
	do	do	2. 2.
		do	2.
	wasnington County R. R. Co	do	2.
	Cornwall and Lebanon R. R. Co	do	20
	The Denver and Rio Grande R. R. Co	do	29,
	S. C. Dooley	Drayage	8
20	M. Du Perow	Recharges for battery	8.
23	B. B. McCay	Traveling expenses	14.
	A. J. Davis	Drayage	2 5
	R.J. Hyatt	Washing towels, etc	9
	J. W. Smith	Traveling expenses	2.
	do	do	13
	G. Goers	Repairing chairs	50
	A. H. Thiessen	Subsistence	5U.
	J. C. Widman & Co	Weather map and frames	30 387 10
	Paul Haskins	Subsistence Weather map and frames Repairing launch Relocating rain gauges Erecting pipe mast Binoculars Oil, can, and lanterns	10.
	Dyai Upenuren inv. Co.	Relocating rain gauges	17. 17. 51. 7.
	Universal Machine and Elevator Works	Electing pipe mast	14.
	Powedt Coulon	Oil can and lantanna	91.
	E E Hamall Done Co	Dans Band lanterns	i
	Pryston & Clying on Ctation and Co	Rope Ink	1
	P. D. Poymond	Installing river gauge	1 5
	M. G. Conoland Co	Flags.	705
	Flint & Walling Manufacturing Co	Supports for instrument shelter	705 201
	Chas Williams	Renairing telegraph line	6.
	T A Stevenson	Renairiag electric annaratus	6
	G. Goers A. H. Thiessen J. C. Widman & Co Paul Haskins Dyal Upchurch Inv. Co Universal Machine and Elevator Works. Walter Reed Berndt Carlson F. E. Hamell Rope Co Buxton & Skinner Stationery Co R. D. Baynard M. G. Copeland Co Chiat & Walling Manufacturing Co Chas. Williams T. A. Stevenson H. R. Eley	Renairing telegraph line	5
	W. H. Benear	Team hire	4.
	S. G. Morse	Horse hire	3.
	H. R. Eley W. H. Renear S. G. Morse Thos. Fairservice	Supports for instrument shelter Repairing telegraph line Repairing electric apparatus Repairing telegraph line Team hire Horse hire Repairing telegraph line do Installing map frames Crosscut saw Repairing telegraph line Desk Repairing wind vane Stereotype metal Binoculars Carpet Repairing typewriter Repairing typewriter Repairing clock Horse hire Penholders Repairing typewriter Repairing typewriter Repairing typewriter	1.
	B: Winningn	dodo	1 15
	J. B. Miner Aberdeen Packing Co	Installing map frames	15
	Aberdeen Packing Co	Crossent saw	2 2 38
	John Lang Millison Office Supply Co J. W. Austin	Repairing telegraph line	2
	Millison Office Supply Co	Desk	38
	J W Austin	Renairing wind vane	2
	J. W. Austin Great Western Smelting and Refining Co.	Stereotype metal	2 7
	G. W. Edwards	Binoculars	45
	Clark & Davenport	Carpet	116.
	St. Louis Typewriter Exchange	Repairing typewriter	45 116 7
	A. F. Gourley & Bro	Repairing clock	1.
31	H. A. Pool	Horse hire	10.
-	R. P. Andrews & Co. (Incorporated)	Penholders	29.
	F. R. Bartlett	Repairing typewriter	10.
	C. W. Crutsinger	Repairing typewriter Recasting rollers Horse hire	2. 1.
	C. E. Johnson	Horse hire	1.
	R. C. Ballantyne	Paper	143.
	T. E. Warren Mercantile Co.	Paper Office furniture	12.
	Great Western Smelting and Refining Co-G. W. Edwards Clark & Davenport St. Louis Typewriter Exchange A. F. Gourley & Bro. H. A. Pool R. P. Andrews & Co. (Incorporated) F. R. Bartlett C. W. Crutsinger C. E. Johnson R. C. Ballantyne T. E. Warren Mercantile Co. G. F. Muth & Co Herman Baumgarten J. W. Austin	Linseed oil. Rubber stamps	143. 12. 3.
	Herman Baumgarten	Rubber stamps	1.
	J. W. Austin Clark & Davenport A. S. Fraser	Repairing well Carpet Constructing river gauge	30
	03 3 0 5	Comot	30.
	Clark & Davenport	Carpet	1.071.

Date.	Name.	Nature of payment.	Total.
1902.	GUI I DOWN From I DOWN	December to the control of the	.5# +0
Dec. 31	St. Louis and San Francisco R. R. Co	Passenger transportationdo	\$7.40 2.55 3.30 10.15
	Southern Rwy. Co	do	3, 30
	Seaboard Air Line Rwy	do	10.15
	J. A. Roebling's Sons Co	Copper wire	23.80 13.05
	Peter Gray	Storm-warning lanterns	2, 950, 00
	W. F. Phillips et al.	Pay roll, climatology	2, 950, 00 563, 71 2, 917, 59
	St. Louis and San Francisco R. R. Co Chicago, Milwaukee and St. Paul Rwy. Co Southern Rwy. Co. Seaboard Air Line Rwy J. A. Roebling's Sons Co. James Berry Peter Gray W. F. Phillips et al Jno. P. Church et al	Printing office	2,917.59
1009	Total second quarter		82, 533. 86
1903. Jan. 9	A. W. Kennie Prudential Building Co William Pollman Tyree & Wilkins, agents F. E. Warren Mercantile Co The Citizens' Bank of Norfolk, Va Conrad National Bank B. M. Jacobs O. I. Mains	Office rent	75.00
oun.	Prudential Building Co	do	170.00
	William Pollman	do	75. 00 170. 00 112. 50 67. 50
	Tyree & Wilkins, agents	do	67.50
	The Citizens' Penk of Newfolk Ve	do	
	Conrad National Bank	do	67 50
4	B. M. Jacobs	do	30.00
	O. I. Mairs	do	90,00 63.00
	The Citizens' Bank of Norfolk, Va Conrad National Bank B. M. Jacobs O. I. Mairs B. D. Johnson Dent & Butler A. J. Knight T. B. Catron S. B. Hicks and H. E. Hicks Consolidated Improvement Co Paine Brothers H. H. Taylor, agent Mills Building Estate of S. Marcks & Co Edgar Harding Fraternal Hall Association Warfield & Dann American Surety Co. of New York James L. Connell Walla Lodge, No. 56, I. O. O. F The Gamble-Desmond Co Fremont Lumber Co Emily Cuthbertson O. B. Hart Taylor National Bank D. L. Buhne, M. C. Pratt and S. C. Buhne Orson Adams, ir G. L. Lovett Henry Bolton City of Columbia, S. C. J. J. Gray J. Kenealy E. D. Coberly J. H. Scott H. C. Hunter S. W. Glenn J. M. Kirk Southern Rwy, Co Chicago, Burlington and Quincy Rwy, Co Detroit and Cleveland Navigation Co. Norfolk and Southern R. R. Co Oregon Short Line R. R. Co Chicago and Northwestern Rwy, Co Denver and Rio Grande R. R. Co Fort Worth and Denver City Rwy, Co Missouri and Kansas Telephone Co Tampa Electric Co Marais Lumber Co N. M. Cunningham E. H. Emery H. C. Bate T. S. Collins W. G. Burns	do	63.00
	Dent & Butler	do	105.00
	T R Catron	do	82. 19 105. 00
	S. B. Hicks and H. E. Hicks	do	120.00
	Consolidated Improvement Co	do	120, 00 165, 00
1	Paine Brothers	do	73.95
	H. H. Taylor, agent Mills Building	do	322.50
	Estate of S. Marcks & Co	do	84, 75 70, 00 105, 00
1	Fraternal Hall Association	do	105.00
	Warfield & Dann	do	72.00 625.00 118.75 84.87
1	American Surety Co. of New York	do	625.00
	James L. Connell	do	118.75
1	Walla Walla Lodge, No. 56, L.O.O.F.	do	84.87
	Fremont Lumber Co	do	96, 00 87, 75
1	Emily Cuthbertson	do	87. 75 127. 50 127. 50
1	do	do	127.50
- 1	O. B. Hart	do	24.00
	Taylor National Bank	do	143. 75 92. 20 120. 00
	Orsen Adams in	do	92, 20
)	G. L. Lovett	do	105.00
1	Henry Bolton	do	52.84
	City of Columbia, S. C.	do	90.00
	J. J. Gray	Traveling expenses	9.80
,	E D Coberly	do	12. 35 5. 50
	J. H. Scott	do	16.15
	H. C. Hunter	do	16. 15 3. 85
	S. W. Glenn	do	18.65
	J. M. Kirk	do	27.80
	Chicago Puylington and Oning Pry Co	Passenger transportation	44, 90 62, 50
	Detroit and Cleveland Navigation Co	do	3. 75
	Norfolk and Southern R. R. Co	do	3.85
	Oregon Short Line R. R. Co	do	36.10 26.50
	Chicago and Northwestern Rwy. Co	do	26.50
	Denver and Rio Grande R. R. Co	do	13.00
	Missouri and Kansas Telephone Co	Tolophono sorrigos	10.05
	Bell Telephone Co.	do	6. 00 26. 50
	Tampa Electric Co	Electric light	3.00
	Marais Lumber Co	do	6.00
	N. M. Cunningham	Post-office box rent	. 40 18. 70
	H C Bate	do do	18.70 2.40
	T. S. Collins	Cleaning river gauge	3.50
	W.G.Burns	Subsistence	45. 75
	E. H. Emery H. C. Bate T. S. Collins W. G. Burns A. D. Carley C. H. Terwilliger Pew & Dryburgh O. D. Thompson Eimer & Amend W. P. Holcombe E. Dickerson Amarillo Grain and Coal Co	Painting office signs	45.75 7.00 25.00
	C. H. Terwilliger	Erecting instrument shelter	25, 00
	Pew & Dryburgh	Constructing shelving, etc.	43, 50 28, 50 3, 50
	Eimer & Amend	Fleetric supplies	28.50
	W. P. Holcombe	Repairs for storm towers	58.65
	E. Dickerson	Repairing instrument shelter	13.00 7.00

# $Expenditures \ of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30,1903 — {\bf Cont'd.}$

ite.	Name.	Nature of payment.	Total
03.	Pelouze Paper and Type Co A. W. Porter Idaho Furniture Co Dobbins Brothers The S. B. Hubbard Co A. R. Teeple E. M. Keyser J. Warren Smith A. C. Pickels L. A. Denson F. L. Ruble L. A. Denson G. T. Todd E. H. Nimmo J. C. Piercy L. C. Cover C. C. Garrett L. M. Dey Norfolk substations Catherine Ryan A. V. Landgraf		
. 9	Pelouze Paper and Type Co	Casting rollers	Co.
	A W Porter	Running lovels	\$2
	Idaho Furniture Co	Renairing furniture	13
	Dobbins Brothers	Keys for instrument shelter	1.1
	The S. B. Hubbard Co.	Renairing rain gauge	
10	A R Teenle	Traveling avnerge	25
	E. M. Keyser	do	
	J. Warren Smith	do	2
	A. C. Pickels	do	2
	L. A. Denson	do	
	F. L. Ruble	do	2
	L. A. Denson	Subsistence	32
	G. T. Todd	Subsistence and dravage	4
	E. H. Nimmo	Washing towels	
	J. C. Piercy	Dravage, etc.	2
•	L. C. Cover	do	
	C. C. Garrett	Washing towels	Ē
	L. M. Dey	Dravage	1
	Norfolk substations.	Pay roll Cleaning office Services	10
	Catherine Rvan	Cleaning office	12 12
	A.V. Landgraf	Services	12
	J. Lawrence	do	2
	J. J. Cason	do	15
	Valentine Montava	do	1.
	J. T. Myers	do	18
	C. C. Garrett L. M. Dey Norfolk substations. Catherine Ryan A. V. Landgraf J. Lawrence J. J. Cason Valentine Montaya J. T. Myers J. A. Venable Baumgardt Publishing Co.	do	1.
	Baumgardt Publishing Co	Printing climate and crop bulle-	13
		tins.	
	C. T. Abeles & Co.	Making bulletin boards	96
	Dozier & Gay Hardware and Paint Co	Making bulletin boards. Paint and brush Repairing telegraph line Engraving rain chart Gum arabic Paper Soap dishes Office rent	
	L. C. Hall	Repairing telegraph line	6
	J. C. Entwistle	Engraving rain chart	
	Geo. Meier & Co	Gum arabic	7
	Valley Paper Co	Paper	140
	Hooker & Lightbody	Soap dishes	
	E. L. Renoe	Office rent	150
	Walter Talbot	Stovepipe	
	Addressograph Co	Stamper arm	
	Edward Vail & Co	Repairing clock	2
	C. T. Abeles & Co Dozier & Gay Hardware and Paint Co. L. C. Hall J. C. Entwistle Geo. Meier & Co Valley Paper Co. Hooker & Lightbody E. L. Renoe Walter Talbot Addressograph Co. Edward Vail & Co. J. Miller	Stovepipe Stamper arm Repairing clock Installing storm-warning lan- terns.	16
	J. J. Davis J. C. Widman & Co Chicago Edison Co William Redd	Parigaing goff on most	39
	J. C. Widman & Co	Making map stretcher	169
	Chicago Edison Co	Repairing brush holder	
	William Redd	Making map stretcher Repairing brush holder Cleaning office Form case Chairs	
	William Redd. L. V. Ellington. Umstadter Myers Co. Grant Rivenburg. Hoke Engraving Plate Co. J. F. Beck.	Form case	8
	Umstadter Myers Co	Chairs.	13
	Grant Rivenburg	Ice	. 9
	Hoke Engraving Plate Co	Stereotype metal	113
	J. F. Beck	Washing towels	
	The American Toilet Supply Co	do	,
	The Silver State Towel Supply Co	do	2
	Williamson Towel Supply Co.	do	
	Mary Fantleroy	do	]
	F. L. Knight	do	1
	Kentucky Steam Laundry	do	1
	Fowler Manufacturing Co. (Limited)	do	5
	L. Wilson	do	
	American Linen Supply Co	do	
	Joe Campbell	do	2
	Joseph Gussenhoven	Office rent	90
	J. E. Rankin, guardian Coche heirs	do	96
	Utah and Pacific R. R. Co	do	48
	Adam Geiger	do	60
	Pacific Club	do	68
	J. G. Hatch	do	60 63 64
	T. M. Jeffris & Co	do	12
	First National Bank of Moorhead	do	- 66
	Indianapolis Gas Co	do	256
	A. S. Cook	do	90
	Albert Marty	do	163
	Chamber of Commerce Building Co	do	90 16 98
	J. E. Dooley	do	150
	John Semer	do	112 100
	Bank of Wytheville	do	100
	William Redd. L. V. Ellington Umstadter Myers Co. Grant Rivenburg. Hoke Engraving Plate Co J. F. Beck The American Toilet Supply Co The Silver State Towel Supply Co Williamson Towel Supply Co. Mary Fantleroy F. L. Knight Kentucky Steam Laundry Fowler Manufacturing Co. (Limited) L. Wilson American Linen Supply Co. Joe Campbell Joseph Gussenhoven J. E. Rankin, guardian Coche heirs Utah and Pacific R. R. Co Adam Geiger Pacific Club J. G. Hatch T. M. Jeffris & Co First National Bank of Moorhead Indianapolis Gas Co. A. S. Cook Albert Marty Chamber of Commerce Building Co. J. E. Dooley John Semer Bank of Wytheville Chas. P. Meekins H. F. Barnett Board of Fire and Water Commissioners Charleston Consolidated Railway, Gas, and Electric Co.	Ground rent	10
	H.F.Barnett	do	10
	Roard of Fire and Water Commissioners	Electric light	5
	Board of Fire and water commissioners		8

# ${\it Expenditures of Department of Agriculture for year ending June~30, 1903} - {\it Cont'd.}$

ate.	Name.	Nature of payment.	Total.
903.			
n. 10	San Antonio Gas and Electric Co Menominee Electric Light, Railway, and Power Co.	Electric light dodo	\$6. 3.
	Muskegon Traction and Light Co	do	15.
	Red Wing Gas and Electric Co	do do	10.
	City of South Haven, Mich	do	12.
	Northern Michigan Turning Works	do	7. 12.
	Charleston Consolidated Light, Railway,	do	8.
	Georgetown Electric Co	do	8.
	Georgetown Electric Co Green Bay Light and Power Co Sands Electric Lighting Co Ashland Light, Power, and Street Rail-	do	3. 7.
	Ashland Light, Power, and Street Railway Co. J. S. Stearns W. S. Bricker J. F. Byrne. Indianapolis Light and Power Co. Lincoln Traction Co. Standard Gas and Electric Co. Denver and Rio Grande R. R. Co. Northern Michigan Transportation Co. Northern Pacific Rwy. Co. Central of Georgia Rwy. Co. Central of Georgia Rwy. Co. Senith City Telephone Co. Southern Bell Telephone Co. Coumberland Telephone Co. Southern Bell Telephone and Telegraph Co. Contrail Co.	do	5.
	J. S. Stearns	do	10
	J. F. Byrne	dodo	12. 12.
	Indianapolis Light and Power Co	do	18.
	Standard Gas and Electric Co	Gas	13. 14.
	Denver and Rio Grande R. R. Co	Passenger transportation	50.
	Northern Pacific Rwy. Co	do	14. 50. 1. 18.
	Central of Georgia Rwy. Co	Telephone services	2. 7. 6.
	Michigan Telephone Co.	do	6.
	Cumberland Telephone Co	do	12 12 15
	Ontario Telephone Co	do	15. 3.
	Co.		Э.
	Columbia Telephone Co	u0	0
	sylvania. Duluth Telephone Co	do	12
	Independent Telephone Co	do	7
	New Telephone Co	do	10
	Rocky Mountain Bell Telephone Co	do	15
	Binghamton Telephone Co	do	15 27 7
	Chicago Telephone Co	do	15 5
	West Virginia Western Telephone Co	do	4
	Southern Bell Telephone and Telegraph Co- Citizens' Telephone Co	do	20 6
	Missouri and Kansas Telephone Co	do	18
	Southern States Telephone and Telegraph Co.	do	24 9
	Southern Bell Telephone and Telegraph Co.	do	9
	Pacific States Telephone and Telegraph Co.	do	6 9
	Pennsylvania Telephone Co	dodo	18 9
	Bell Telephone Co. of Buffalo	do	15
	The Consolidated Telephone Co. of Pennsylvania. Duluth Telephone Co	do	15 7
	phone Co.	1	
	Telephone Co. of South Jersey	do	5
	Idaho Independent Telephone Co. (Limited)	do	$\frac{4}{15}$
	The Colorado Telephone Co	do	12
	Wytheville Telephone Co	do	16
	Rocky Mountain Bell Telephone Co.	do	8 12
	Southern Bell Telephone Co	do	12
	Cumberland Telephone and Telegraph Co.	do	16 15
	Southern Bell Telephone and Telegraph Co. The Southwestern Telegraph and Telephone Co. The San Antonio Telegraph Co. Telephone Co. of South Jersey Idaho Independent Telephone Co. (Limited) Rocky Mountain Bell Telephone Co. The Colorado Telephone Co. Wytherille Telephone Co. Santa Fe Electric Telephone Co. Southern Bell Telephone Co. Southern Bell Telephone Co. Cumberland Telephone Co. Liche Southern Bell Telephone Co. Micbigan Telephone Co. Lowa Telephone Co. Missouri and Kansas Telephone Co. A. Klein. East Tennessee Telephone Co. The Missouri and Kansas Telephone Co. The Missouri and Kansas Telephone Co. The Contral District and Printing Telegraph Co.	do	15 30
	The Gordon Telephone Co	do	9
	East Tennessee Telephone Co	do	2 9
	The Missouri and Kansas Telephone Co	do	9
	Nepraska Telephone Co	ao	13 35

 $Expenditures of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1903-{\bf Cont'd}.$ 

Date.	Name.	Nature of payment.	Total.
1903.	,		
an. 10	Alpena Electric Light Co	Electric light	\$5.
	Power department town of Bayfield M. K. Weems & Co J. A. Morse. Weis & Co	do	5.
	M. K. Weems & Co	Washing towels	1.
	J. A. Morse	Erecting river gauge Making iron bracket	5.
	Weis & Co. Consumers' Ice Co. Hadley Dean Glass Co Bank of Tehama County E. S. Hughes & Co J. Crocker J. L. Smith H. B. Hersey	Too	3.
	Hadley Dean Glass Co	Ice Glass Office rent	4
	Bank of Tehama County	Office rent	4. 99.
	E. S. Hughes & Co	do	95.
	J. Crocker	do	75.
-	J. L. Smith	do	30.
14	H.B.Hersey F.J. Walz	Drayage Traveling expenses	8.
	F.J. Walz	Traveling expenses	52. 88.
	Alpena, substations R. J. McMaster	Pay roll Services	15.
	A. H. Thiessen	Traveling avnances	22.
	H. C. Cooke	Traveling expensesdo	10.
	H. C. Cooke F. H. Clarke	Dravage, etc	2.
	J. W. Bauer G. N. Wilson H. H. Kimball		2. 2.
	G. N. Wilson	Drayage	1. 32.
	H. H. Kimball	Subsistence	32.
	Southern Bell Telephone and Telegraph Co-	Telephone services	15.
	H. H. Kimball Southern Bell Telephone and Telegraph Co- Sunset Telephone and Telegraph Co- Palestine Telephone Co Chicago Telephone Co Southern Bell Telephone and Telegraph Co Interstate Telephone and Telegraph Co The Colorado Telephone Co Michigan Telephone Co The Bell Telephone Co The Southwestern Telegraph and Telephone Co.	Drayage Subsistence Telephone services do do do	6. 9. 57.
	Palestine Telephone Co	do	_9.
	Chicago Telephone Co	do	57.
	Interests to Tolophone and Tolograph Co.	do	4.
	The Coloredo Tolorboro Co	do	4. 13.
	Michigan Telephone Co	do	22
	The Bell Telephone Co. of Missouri	do	22. 22.
	The Southwestern Telegraph and Tele-	do	12.
	phone Co.		
	Wisconsin Telephone Co	do	30.
	Michigan Telephone Co	do	6. 2.
	J. B. Lambie	Machine bolts	2.
15	F. P. Chaffee	Traveling expenses	8. 3.
	G. M. Chappel	do	3.
	The Southwestern Telegraph and Telephone Co. Wisconsin Telephone Co. Miscingan Telephone Co. J. B. Lambie F. P. Chaffee G. M. Chappel J. W. Byram J. R. Weeks C. F. von Hermann A. G. Burns L. H. Daingerfield	Telephone rent	6. 3.
	C. F. von Hormonn	Drayage, etc	22.
	A G Burne	do	1
	L. H. Daingerfield	do	1. 1.
	L. N. Jesunofsky J. P. Slaughter	do	2.
	J. P. Slaughter	do	1.
	W. H. Fallon E. L. Renoe	do	1.
	E. L. Renoe	Telephone rent	3.
	Geo. Reeder	Drayage Drayage, etc	2. 9. 35.
	A. E. Hackett J. B. Marbury	Drayage, etc	9.
	J. B. Maroury	Cabinet, repairing furniture, etc.	39. 10.
	J. N. Kyker	Drayage, etc. Station expenses	10.
	I E Cotter	Sarvices	8. 15.
	J.E. Harris ir	Servicesdo	16.
	M. A. Webster	do	15.
	J. B. Marbury J. N. Ryker P. Connor J. E. Cotter J. E. Harris, jr M. A. Webster A. G. Miley S. W. Lightner		9.
	S. W. Lightner	do	30.
	Augusta, substations Baltimore, substations Parkersburg, substations	Pay roll	47.
	Baltimore, substations	do	90.
	Parkersburg, substations	do	81.
	Macon, substations Charleston, substations	00	39.
	Variable Substations	do	30. 35.
	New York, substations Louisville, substations	do	59.
	Cairo substations	do	139.
	Charles E Johnson	Duplicating ink	300.
	Paul A. F. Walter, P. M	Duplicating ink Rent post-office box	1.
	Lone Star Ice Co	Ice	4.
	Board of Public Works	Water supply	3. 7.
	Couro, substations Charles E. Johnson Paul A. F. Walter, P. M. Lone Star Ice Co Board of Public Works The Consumers' Co The Fred Marcy Co. (Limited) H. M. Knowles H. M. Knowles	Water supply Ice	7.
	The Fred Marcy Co. (Limited)	Sectional file system	48.
	H. M. Knowles	Repairing telegraph line	2. 27.
	H. M. Knowles Henry Bolte Furniture Co. Richard Fysh. McEwer & Lauver	Rectional file system Repairing telegraph line Office furniture Cleaning thermograph clock Wood Office rent do	21.
	McEwer & Leaver	Wood	$\frac{1}{20}$ .
	Peter Sonna	Office rent	120.
	Dexter Horton	do	120.
	Dexter Horton Chicago Auditorium Association	do	437.
	R. C. Evans	do do do	8.0
	R. C. Evans G. S. Waite Tacoma Chamber of Commerce and Board	do	109.

# $\textbf{\it Expenditures of Department of Agriculture for year ending June 30, 1903} - \textbf{Cont'd}.$

Date.	Name.	Nature of payment.	Total.
1903.			
an. 15	Union Trust Building Co.(Limited)	Office rent	\$167.50
	O. I. Taylor	do	57.50 74.2
	M. Parmentier	do	74.2
	City of Polostine Toy	do	300.00
	Central Union Telephone Co	Telephone services	78, 50 10, 50
	Union Trust Building Co.(Limited)O.I. Taylor M. Parmentier. The Hayden Co City of Palestine, Tex Central Union Telephone Co Southwestern Telegraph and Telephone Co.	do	15. 00
	Co.  Books Mountain Bell Helenhane Ge	do	9.00
	Columbus Citizans' Telephone Co	do	10.00
	The Colorado Telephone Co	do	28. 50
	Wisconsin Telephone Co	do	12,00
	Co. Rocky Mountain Bell Telephone Co	do	12.00 7.50
	Michigan Telephone Co	do Electric lightdodo Electric power Printing climate and crop bullative	9.00
	New Bedford Gas and Edison Light Co	Electric light	19.6
	Sheboygan Light, Power, and Railway Co.	do	6. 25 27. 75
	E. A. Born. The Raleigh Electric Co Statesman Printing Co	do	27. 78
	The Raleigh Electric Co	Electric power	4.52
	Statesman Printing Co	leting climate and crop bul-	69.00
	Buffalo Gas Co	Gas	5.00
	Buffalo Gas Co	Telegraph services	15, 586, 92
	do	do	15, 410, 11
20	Adams Express Co	letins Gas. Telegraph services. do Express charges.	30.39
	do	do	25, 27
	United States Express Co	do	25, 25 56, 83 16, 03
•	dodo	do do Cleaning thermometer Cleaning thermograph clock	16.0:
	C. H. Reynolds	Cleaning thermometer	. 75 1. 50
	C. V. Bates	Tolz	5.00
	Queen & Co (Incorporated)	Ink Ribbon	5. 00 2. 00
	M. J. Schubert	Glass	13. 73
	W. B. Knight	Glass Holder for rain gauge Recasting rollers	1.00 3.00
	Milwaukee Printers' Roller Co	Recasting rollers	3.00
	P. Brown	Team hire Ink and mucilage	13.00
	Western Union Telegraph Co do Adams Express Co do United States Express Co do C. H. Reynolds C. V. Bates C. E. Johnson & Co Queen & Co. (Incorporated) M. J. Schubert W. B. Knight Milwaukee Printers' Roller Co P. Brown V. C. Roeder C. B. Tucker	Ink and muchage Installing storm-warning lanterns.	2.03 30.00
	do	Making meter-box switches	5, 50
	A.O. Fischer	Team hire	4.00
	do	Team hire Electric light and heat	4.00 21.50
	W. H. H. Smith	Team hire	11 00
	H. A. Brossard	Drayage Hire of schooner and crew	5.00
	McCormielz & Rates	Drawage	375.00
	J. W. Austin	Drayage Repairing sheds, etc	20. 00
	The Central Ohio Paper Co	Paper	44. 82
	G. B. Hollister	Paper Constructing river gauge	44, 82 54, 75
	Samuels Transfer Co	Drayage	1.00
	A. B. Pitman	Repairing telegraph line	1. 2
	Clem Jaycocks	Ice	9.20
	C. A. von Pluchov	water suppry	11.00
	Samuels Transfer Co. A. B. Pitman Clem Jaycocks C. B. Little G. A. von Blucher W. B. Lount William Office Streets Co.	do	1.55 7.00 3.00
	W. B. Lount Willison Office Supply Co Barnhart Bros, & Spindler O. G. Skylstead United States Envelope Co Evans & Meekins do H. H. Buhne S. Bell	Ink and mucilage	3.00
	Barnhart Bros. & Spindler	Printing supplies.	8.09
	O. G. Skylstead	Lamp shade, etc	1.50
	United States Envelope Co	Envelopes	14.53
	Evans & Meekins	Station supplies	11. 54
	U U Pubno	Transporting employees	46.00
	S Rell	Recesting rollers	1.60 6.00
	S. Bell Wm. Neuman & Co	Installing storm-warning lan- terns.	18.70
	G. E. Loyd & Co E. D. Beattie	Repairing casting box Printing climate and crop bul-	9.00 36.00
	The Correct Printing Co	letins.	## O
	Baumgardt Publishing Co	do	55. 25 16. 25 2. 00 6. 00
	A. A. Finck	do	2 0
	Munger's Laundry	Towel service	6.00
	Nashville Laundry Co	do	1.80
	Long's Towel Supply	Washing towels	3.00
	Omaha Towel Co	do	3. 00 3. 00
	Banner Laundering Co	do	3.00
	Pere Marquette R. R. Co	Passenger transportation	17. 59
	Rlack Hills Tolograph and Tolophora Co	Telephone services	22.50 21.00
	The Garrett Printing Co Baumgardt Publishing Co A. A. Finck Munger's Laundry Nashville Laundry Co Long's Towel Supply Omaha Towel Co Banner Laundering Co Pere Marquette R. R. Co Nebraska Telephone Co Black Hills Telegraph and Telephone Co Central New York Telephone and Telegraph Co.	do	20.00

# $Expenditures of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30, 1903 — {\bf Cont'd.}$

Date.	Name.	Nature of payment.	Tota
1903.			
n. 20	Central Union Telephone Co	Telephone services	\$14
	R. L. Lewis	do	24
	Pacific States Telephone and Telegraph Co.	do	30
	Hudson River Telephone Co	do	30 16 16
	Missouri Valley Telephone Co	do	(
	Central Union Telephone Co Ashville Telephone Co R. L. Lewis Pacific States Telephone and Telegraph Co Columbia Telephone Co Hudson River Telephone Co Missouri Valley Telephone Co Southern Bell Telephone and Telegraph Co Delaware and Atlantic Telegraph and Telephone Co.	do	12
	Now York Tolophone Co	do	ec
	The Empire State Telephone and Telegraph Co. W.S. Rowe Sunset Telephone and Telegraph Co. La Crosse Telephone Co. Cumberland Telephone and Telegraph Co. The Louisville Home Telephone Co. New England Telephone and Telegraph Co. Wisconsin Telephone Co. Southern Bell Telephone and Telegraph Co. Georgia Telephone and Telegraph Co. Southern Bell Telephone and Telegraph Co. Southern Bell Telephone and Telegraph Co. Southern Bell Telephone and Telegraph Co. Kalispel Water and Electric Co. U. V. Hendrix N. W. Wagner Mill Valley and Mt.Tamalpais Scenic Rwy. C. P. Disney C. P. Blachly Atlanta, substations Wenphis, substations Memphis, substations Cinclinati, substations Chattanooga, substations Chattanooga, substations Wilmington, substations Wilmington, substations Wilmington, substations Wm. G. Burns D. S. Landis Stanley Boykin F. L. Ruble	do	7
	W. S. Rowe	do	5
	Sunset Telephone and Telegraph Co	do	21
	Cumberland Telephone Co	do	91
	The Louisville Home Telephone Co	do	12
	New England Telephone and Telegraph Co.	do	29
	Wisconsin Telephone Co	do	
	Georgia Telephone and Telegraph Co.	do	21 10
	Sunset Telephone and Telegraph Co	do	13
	Southern Bell Telephone and Telegraph Co.	do	13
	Kalispal Water and Floatric Co	do	9
	U.V. Hendrix	Services	2
	N. W. Wagner	do	2
	Mill Valley and Mt. Tamalpais Scenic Rwy.	do	18
	C.P.Disney	do	2
	Atlanta, substations	Pay roll	3
	Vicksburg, substations	do	9
	Memphis, substations.	do	5 19
	Chattanooga, substations	do	13
	Philadelphia, substations	do	6
	Wilmington, substations	The reline of the control of the con	7
	D.S. Landis	do	1
	Stanley Boykin	do	2
	F.L. Ruble	do	0
	I. I Guthria	Subsistence Evarues charges	6
	A. H. Thiessen	Subsistence	2
	D. Cuthbertson	Station expenses	
	J.H. Murdoch	Station expenses	
	C. A. Donnell	Traveling expenses	
	J. M. Ware	do	1 4
	L. M. Pindell	Station expenses	
	C. A. Donnell J. M. Ware L. M. Pindell L. M. Tarr W. M. Wilson Al Brand D. C. Grunow I. M. Shorior	Station expenses Drayage Station expenses do Station expenses do Station expenses Car fare, drayage, etc Electric light, current, etc Drayage, etc Car fare, etc Electric current and drayage	1
	Al Brand	Electric light, current, etc	4
	D. C. Grunow	Drayage, etc	
	D. C. Grunow J. M. Sherier E. H. Emery E. R. Demain J. Warren Smith T. F. Townsend L. A. Chidester C. A. Johnson Elizabeth City and Norfolk Telegraph Co-P. D. Holmes J. B. Sherry	Car lare, etc Electric current and drayage P. O. box rent, etc Drayage do Services	1
	E. R. Demain	P.O. box rent, etc	
	J. Warren Smith	Drayage	1
	T. F. Townsend	Services	
	C. A. Johnson	do	
	Elizabeth City and Norfolk Telegraph Co.	Telegraph services	
	P. D. Holmes	Repairing telegraph linedo	
	J.B. Sherry A. Jacobus	Repairing wind vane and ane-	1
		momoton cumoute	
	Duluth Van and Storage Co Stringfellow Drug Co G. F. Meekins	Drayage	
	G. F. Meekins	Repairing telegraph line	
	L. Rogers Seashore Machine Works L. C. Carter	moneter supports. Drayage Clock Repairing telegraph line Horse hire Repairing flagstaff Atlas	30
	Seashore Machine Works.	Repairing flagstaff	2
	L. C. Carter	Typewriter stand	
	R. H. Varpahl	Recasting rollers	
	A. L. Johnson R. H. Varpahl American Type Founders Co. The Union Ice Co. The Daggett Printing Co. T. W. Peake People's Gas and Electrical Co.	Typewriter stand Recasting rollers Electrotype metal, etc	
	The Union Ice Co	Ice Binding weather maps Electric lanterns Electric light	

# Expenditures of Department of Agriculture for year ending June 30, 1903—Cont'd. GENERAL EXPENSES, WEATHER BUREAU—Continued.

э.	Name.	Nature of payment.	Tota
20	Baltimore Towel Supply Co A. W. Bradfield C. B. Cannon Consolidated Gas Co. of Baltimore Gamble & Ludwig B. W. Strong M. T. Hayden The Minneapolis General Electric Co William Roche Weston Electrical Instrument Co	Washing towels	\$2 1
	A. W. Bradfield	Washing towels Framing cloud chart	1
	C. B. Cannon	Ink	É
	Consolidated Gas Co. of Baltimore	Gasalina	
	R W Strong	Ink Gas Gasoline Repairing table Washing towels Electric current Electric cells Repairing anemometer Electric light	4
	M. T. Hayden	Washing towels	8
	The Minneapolis General Electric Co	Electric current	15
	William Roche	Electric cells	7
	Weston Electrical Instrument Co	Repairing anemometer	7
	O. C. G. Urban	Electric light	12 12
	Benton Harbor and St. Joseph Electric	do	12
	Rockingham County Light and Power Co	do	99
	The Kenosha Gas and Electric Co	do	28 8
	E. A. Hughes	do	Ę
	Edison Sault Electric Co	do	35
	Grand Haven City Electric Light Co	do	7 4
	Charleston Electric Light Plant	do	
	Fall Piper Floatuic Light Co	do	1.4
	The Milwaukee Electric Railroad and	Electric current	14 12
	Weston Electrical Instrument Co O. C. G. Urban Benton Harbor and St. Joseph Electric Railway and Light Co. Rockingham County Light and Power Co The Kenosha Gas and Electric Co. E. A. Hughes Edison Sault Electric Co. Grand Haven City Electric Light Co Charleston Electric Light Plant Improvement Loan and Trust Co Tall River Electric Light Co The Milwaukee Electric Railroad and Light Co.	Electric current	14
	Cumbouland Floatric Light and Power Co.	do	15 30
	Max Levy	do	30
	People's Gas Light and Coke Co	Gas	7
	Max Levy People's Gas Light and Coke Co Galveston Gas Co Astoria and Columbia River R. R. Co Nashville Gas Co The Southwestern Telegraph and Tele-	Document the new parts tion	7 11 2
-	Nachvilla Gas Co	Gas	8
	The Southwestern Telegraph and Tele-	Telephone services	21
	phone Co.	Totophone corvicaci	
	The City and Suburban Telegraph Assn	do	21
	The Bell Telephone Co	do	30
	The Union Telephone Co	do	6
	Character Telephone and Telegraph Co.	do	91
	Maryland Talanhone and Talagraph Co	do	31
	Michigan Telephone Co	do	14 12
	New England Telephone and Telegraph Co-	do	8
	Southern Bell Telephone and Telegraph Co.	do	7
	The Fayette Home Telephone Co	do	4
	E. T. Broadwater	do	7
	Pacific States Tolophone and Tolograph Co.	Pont of conduit	12 35
	do	Telephone services	25
	Cumberland Telephone and Telegraph Co.	do	10
	Missouri and Kansas Telephone Co	do	9
	Pacific States Telephone and Telegraph Co.	do	18
	Cumberland Telephone and Telegraph Co.	do	29
	The Oregon Railroad and Navigation Co.	Passenger transportation	16 17
	The Verse and Mississippi Valley P. P. Co.	do	40
	Illinois Central R R Co.	do	99
	Pennsylvania Co	do	39 28
	Little Rock. substations	Pay roll	60
	Savannah. substations	do	61
	Galveston, substations	do	30
	Jacksonville, substations	do	75
	Colvector substations	do	62
	Montgomery substations	do	06
	Harrisburg substations	do	45 96 102
	Fort Smith, substations.	do	39 25
	L. C. Collins, substations	do	25
	St. Louis, substations	do	119
	Portland, substations	do	85 150
	Buffelo substations	do	146
	Mobile substations	do	142 70
	T. R. Boon	Service	30
	Northwestern Mutual Life Insurance Co	Office rent	125
	F. D. Miracle	do	147 78 105
	B. S. Williams	do	78
	Astoria and Columbia River R. R. Co Nashville Gas Co The Southwestern Telegraph and Telephone Co. The City and Suburban Telegraph Assn The Bell Telephone Co The Union Telephone Co Pacific States Telephone and Telegraph Co Chesapeake and Potomac Telephone Co Maryland Telephone and Telegraph Co Michigan Telephone and Telegraph Co Michigan Telephone and Telegraph Co Michigan Telephone and Telegraph Co Southern Bell Telephone and Telegraph Co The Fayette Home Telephone Co E. T. Broadwater Southern Bell Telephone and Telegraph Co do Cumberland Telephone and Telegraph Co Anothern Bell Telephone and Telegraph Co Anothern Bell Telephone and Telegraph Co Cumberland Telephone and Telegraph Co Anothern Bell Telephone and Telegraph Co Missouri and Kansas Telephone Co Pacific States Telephone and Telegraph Co Cumberland Telephone and Telegraph Co Lunion Pacific R. R. Co The Yazoo and Mississippi Valley R. R. Co Illinois Central R. R. Co Pennsylvania Co Little Rock substations Savannah substations Galveston, substations Galveston, substations Charleston, substations Harrisbing substations Fort Smith, substations Fort Smith, substations Fort Smith, substations Buffalo, substations Mohile,	do	105
	MW Cunningham	a.	00
	M. F. Conway	do	60
	Rwy. M. W. Cunningham M. E. Conway J. R. Hunter, agent Los Angeles Trust Co J. K. Porter Improvement Loan and Trust Co	do	220
	Los Angeles Trust Co	do	165
		1	150

ite.	Name.	Nature of payment.	Tota
03.	,		
. 20	C. J. Buell	Office rent	\$94
	C. J. Buell J. B. Smith	do	58
	Henry Goucher W. M. Husson C. D. Widman & Co. Augusta, substations Sault Ste. Marie, substations C. P. Searle John Hyslop. L. L. Cibe	Traveling expensesdo	69
	W. M. Husson	do	14
	C. D. Widman & Co.	Making glass weather maps Pay roll	970
23	Augusta, substations	Pay roll	49
	Sault Ste. Marie, substations	do	111
	C.P. Searle	Servicesdo	30
	John Hyslop	do	30
	J. L. Cline Frank Jermin J. J. Kelliher	Station expenses	2
	Frank Jermin	Station expenses do Drayage, etc Traveling expenses do do Drayage etc	60
	J. J. Kelliher	Drayage, etc	2
	O. K. Johnson B. B. McCay L. G. Sutton F. Montgomery J. I. Widmeyer N. R. Taylor J. Warren Smith W. S. Belden Robt Rinkle	Traveling expenses	14
	B. B. McCay	do	59
	L. G. Sutton	do	5
	F. Montgomery	do	4
	J.1. Widmeyer	Drayage, etc	9
	N. R. Taylor	Drayage Table	1
	J. warren Smith	Table	10
	W.S. Belden	Station expenses Repairing river gauge Repairing telegraph line	10
	Robt. Rinkle C. J. Brierley	Repairing river gauge	12
	C. J. Brieriey	Repairing telegraph line	2
	O. Bye	Electric light	6
	Power Co.	Executic light	7
	New Orleans Lighting Co., Lessee	Gas	15
	E. S. Allen	Telephone services	12 12 12
	E. S. Allen East Tennessee Telephone Co	do	15
	do	do	12
	New England Telephone and Telegraph	do	14
	Cumberland Telephone and Telegraph Co- East Tennessee Telephone Codo	do	48
	East Tennessee Telephone Co	do	
	do	do	14
	do	do	
	do Chesterfield Telephone and Telegraph Co. The Central District and Printing Tele-	Telegraph services	7
	The Central District and Printing Tele-	do	
	graph Co.		
	Pacific States Telephone and Telegraph Co.	do	5
	Pacific States Telephone and Telegraph Co. Alabama, Mississippi and Tennessee Tele-	Telephone services	(
	phone Co.		,
	Cumberland Telephone and Telegraph Co.	do	(
	Pacific States Telephone and Telegraph Co.	Telegraph services	
	East Tennessee Telephone Co	do	9
	Corvains and Eastern R. R. Co		2
	Alabama, Mississippi and Tennessee Telephone Co. Cumberland Telephone and Telegraph Co. Pacific States Telephone and Telegraph Co. East Tennessee Telephone Co. Corvallis and Eastern R. R. Co. Baltimore and Ohio R. R. do. Great Northwestern Telegraph Co. of	ado	2
	Creet Northwestern Telegraph Co. of	do	210
	Canada.	ao	318
	Occap Tow Post Line	do	8
	Chicago Punlington and Quincy P. P. Co.	do	-
	Now England Tolophone and Tolograph Co.	do	6
	do	do	} 2
	The Ball Telephone Co. of Buffelo	do	
	Marthas Vineyard Telegraph Co	do	36
	Aurora and Friendship Telephone Line	do	12
	Canada. Ocean Tow Boat Line Chicago, Burlington and Quincy R. R. Co New England Telephone and Telegraph Co do The Bell Telephone Co. of Buffalo. Marthas Vineyard Telegraph Co Aurora and Friendship Telephone Line Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.	do	17 22
	Rwy. Co.		151
	Jacksonville and St. Johns Bar Telegraph	do	18
	Line.		
	The Northwestern Telephone Exchange Co	Telephone services	18
	Southwestern Telegraph and Telephone Co	do	
	Burke & Gregory	Binding Bible	1
	Pacific Metal Works	Stereotype metal	8
	Dora Moyen	Washing towels	(
	J. H. Thiemeyer	Packing boxes	:
	Julien P. Friez	Copper cans	10
	Line. The Northwestern Telephone Exchange Co Southwestern Telegraph and Telephone Co Burke & Gregory Pacific Metal Works Dora Moyen J. H. Thiemeyer Julien P. Friez. Eastern Towel Supply Co J. H. Ledoux American Type Founders Co.	Washing towels	(
	J. H. Ledoux	Drinking water	2
	American Type Founders Co	Type	1
	National Lead Co	Stereotype metal	
	American Type Founders Co National Lead Co J. A. Roebling's Sons Co	Telephone services	15
	H.J. Green	Maximum thermometers Passenger transportation	325
	Norfolk and Washington, D. C., Steam-	rassenger transportation	8
	boat Co.	20	
	Chicago, Milwaukee and St. Paul Rwy. Co.	d0	3
	do K. F. Coke E. D. Osborn The Farmers' National Bank	Office rent	5 60
	IX.T. CORE	do do	87

te.	Name.	Nature of payment.	Total
3.			
23	The First National Bank P. A. Willis D. B. Dodge Western Union Telegraph Co C. E. Johnson E. F. Conora The Fyricide Manufacturing Co Northwestern Telephone Exchange Co H. E. Hobbs Southern Rwy. Co do do Central Union Telephone Co J. C. Parker Knoxyille, substations	Office rent Rent of roof, etc	\$126
	P. A. Willis	Rent of roof, etc	10.
	D.B. Dodge	Office rent	59.
	Western Union Telegraph Co	Repairing telegraph line	8.
	C.E. Johnson	Oil and geneline	2.
	The Evricide Manufacturing Co	Fire extinguishers	162
	Northwestern Telephone Exchange Co	Telephone services	102. 12. 27. 27. 22. 27. 40.
	H E Hobbs	Traveling expenses	2
	Southern Rwy. Co	Passenger transportation	27
	do	do	22
	do	do	27.
	Central Union Telephone Co	Telephone services	40.
24 31	Central Control Telephone Co J. C. Parker Knoxville, substations New Orleans, substations Houghton, substations	Paper	190
31	Knoxville, substations	Pay roll	112 84
	New Orleans, substations	do	84
	Houghton, substations	do	50.
	Pottsburg substations Chicago, substations New Haven, substations Richmond, substations	do	374
	Chicago, substations	do	429
	New Haven, substations	do	48.
	Richmond, substations	do	15.
	Boston, substations	Couriess	779
	I W Saanhananah	Services	10
	Boston, substations Boston, substations H. Hamilton J. W. Scarborough Cleveland, substations La Crosse, substations New Orleans, substations Portland, substations Atlanta, substations	Par voll	3 198
	La Crosse substations	do	198
	New Orleans substations	do	67 112
	Portland substations	do	90
	Atlanta, substations. Nashville, substations. (G.E. Bateman Walter F. Hudson, deceased, estate of	do	82
	Nashville substations	do	80
	G. E. Bateman	Services	2
	Walter F. Hudson, deceased, estate of	do	18
	Portland, substations	Pay roll	72
	Raleigh.substations	do	120
	Duluth, substations	do	125
	Nashville, substations G. E. Bateman Walter F. Hudson, deceased, estate of Portland, substations Raleigh, substations Duluth, substations R. Hume F. J. Walz E. H. Emery R. J. Hyatt A. McC. Ashley	Services	27
	F.J. Walz	Traveling expenses	60
	E.H. Emery	Repairs for typewriter, etc	11
	R.J.Hyatt	Washing towels.etc	5
	A. McC. Ashley	Station expenses Drayage	4
	I. B. Boyer	Drayage	1
	J. H. Scott	Subsistence Traveling expenses	28
	R. J. Hyatt A. McC. Ashley H. B. Boyer J. H. Scott do J. H. Kimball J. W. Smith do C. E. Franklin	Subsistance	11 22
	I W Smith	Traveling ornance	46
	do	Subsistence Traveling expenses Field glasses	5
	G. E. Franklin	Station expenses	29
	G E Grimes	do.	
	J. H. Robinson H. B. Hersey E. D. Emigh	do Traveling expenses do	2 3
	H. B. Hersey	do	73
			2
	I. M. Cline	Station expenses	2 3
	W. T. Blythe	āo	16
	W. M. Dudley	Drayage	5
	C. W. Ling	Laying linoleum, etc	5
	E. D. Emign I. M. Cline W. T. Blythe W. M. Dudley C. W. Ling N. B. Conger Louis Dorman A. H. Thissen	do Drayage Laying linoleum, etc Station expenses Subsistence	2
	Louis Dorman	Subsistence	15
	A. H. Thiessen Littlefield, Alvord & Co. Southern Rwy, Co.	do 	21
	Littleneld, Alvord & Co.	Drayage	17
	Southern Rwy. Cododo	Passenger transportation	6
	do	00	6 25
	P A Show	Cleaning weather man	69
	Wagner Typewriter Co	Cleaning weather map Typewriter	87
	R. A. Shaw Wagner Typewriter Co M. Du Perow	Slate	5 87 2
	Neeley Electric Construction and Supply	Insulators	3
	Herman Baumgarten	Stamps	3.
	National Electrical Supply Co	Stamps Repairing circuit breaker Water cooler and stand	8.
	Woodward & Lothrop	Water cooler and stand	7.
	Z. D. Gilman	Amyl acetate	1 22
	CO.  National Electrical Supply Co.  Woodward & Lothrop. Z. D. Gilman. United States Express Co. J. B. Lambie. dodo	Express charges	
	J. B. Lambie	Bolts, brass rod, etc Screw-drivers Oil stones. solder, mica. etc	5.
	do	Screw-drivers	3.
	do	Oil stones solder, mica. etc	10.
	D. F. Parker	Typewriter ribbons	157.
	D. F. Parker do J. C. Parker	Typewriter ribbons Ink pads Pens. pins. stand. etc Letter-copying books	75.
	J. C. Parker	Pens, pins, stand, etc.	125.
		Letter-conving books	30.

ate.	Name.	Nature of payment.	Total
003.			-
. 31	W. F. R. Phillips et al	Pay roll, climatology	$\begin{array}{c} \$578 \\ 2,941 \\ 9\end{array}$
	Jno. P. Church et al	Pay roll, printing office	2,941
). 4	Heybach-Bush Co	Pay roll, printing office Brass rule Lecasting rollers	9
	W. H. Ranney Medical and Standard Book Co	Recasting rollers	2
	Deter Cross	Writing fluid	90
	Peter Gray	Repairs to storm-warning lan- terns.	30
	The J. L. Bowles Furniture Co	Packing instrument stand	2
	Rich Bros	Repairing furniture	8
	Bendernagel & Co	Recasting rollers	
	American Type Founders Co	Printing supplies	15
	Johnson & Johnson	Wood	8
	C. A. Burton	Coal	144
	V. E. Swanson	Repairing self-register clock	1
	Milner & Ebert	Oil, kerosene	1
	R. B. Thompson	Placing halyards on flagstaff	7
	T. C. Hurst	Sacks	4
	Topeka Transfer and Storage Co	Drayage and storage	10
	Patterson Transfer Co	Drayage	1
	P. D. Clack	do	2
	A. Bloedel	Repairing clock	2
	Eaton Machine Works	Hanger, shaft, and pulley	14
	Eaton Machine Works Harn Rotary Printing Machine Co. The General Cartage and Storage Co.	Printing machine	400
	I A Schofiold	Drayage Cleaning thermograph clock	2
	J. A. Schofield Wyckoff, Seamans & Benedict	Repairing typewriter	5
	Vates & Co	Oil	2
	Western Newspaper Union	Recasting rollers etc	3
	R. N. Getty Geary Brothers B. F. Venable	Ink and mucilage	5
	Geary Brothers	Dravage	,
	B. F. Venable	Drayage River gauge and placing same	10
	Northwestern Furniture Co	Map frame and bulletin board	123
	A.S. Lawyer	Wood alcohol	]
	J. Jones & Bro Wyckoff, Seamans & Benedict Keystone Type Foundry	Renzine	1
	Wyckoff, Seamans & Benedict	Cylinder for typewriter Type Repairing chairs	2
	Keystone Type Foundry	Type	2
	Fred Geiger Gether Drebert Perkins Co.	Repairing chairs	
	Gether Drebert Perkins Co	(Lordon nucce chase	2
	W. O. Stubbs	Repairing typewriter Drinking water River gauge and placing same	15
	H. B. Hartman	Drinking water	97
	A. McDonnell Z. C. Niles & Piper Co	Insulators, etc	12
	C.D. Page	Dravage	17
	Electrical Supply and Construction Co	Anemometer and wind vane	15
	meetiness cappij tild comme detion co	emmorte.	
	J.P. Nawrath	Type	Ç
	Standard Oil Co Bingham & Runge	Benzine	(
	Bingham & Runge	Benzine Recasting rollers	
	Lon Albright	Wood	20
	A. P. Curtin C. E. Johnson & Co	Cabinet, carpet, etc	29
	C. E. Johnson & Co	lnk	268
	Morse & Land	Placing glass in door	2
	A.F. Loden J. T. Zeigler Arizona Publishing Co	Erecting shelving	32
	J. T. Zeigler	Kerosene oil Printing climate and crop bul-	66
	Arizona Publishing Co	letins.	00
	Oklahoma Ica and Cold Storage Co	Ico	6
	Oklahoma Ice and Cold Storage Co. E. Shepardson D. W. King Arizona Laundry Co. Jacksonville Towel Co. Needham Bros Mutual Telephone Co. New York and Pennsylvania Telephone and Telegraph Co. Southern Telegraph and Telephone Co. Northwestern Telephone Exchange Co. Iowa Telephone Co. Southern Bell Telephone and Telegraph Co. Rocky Mountain Bell Telephone Co.	Washing towels	6
	D W King	do	j
	Arizona Laundry Co	do	
	Jacksonville Towel Co.	do	5
	Needham Bros	do	1
	Mutual Telephone Co	Telephone service	22 12
	New York and Pennsylvania Telephone	do	12
	and Telegraph Co.		
	Southern Telegraph and Telephone Co	do	9
	Northwestern Telephone Exchange Co	do	12
	Iowa Telephone Co	do	33
	Southern Bell Telephone and Telegraph Co.	do	18
	Rocky Mountain Bell Telephone Co- Cumberland Telephone and Telegraph Co-	00	10
	Cumperland Telephone and Telegraph Co.	do	10
	The Cleveland Telephone Co Peoples' Telephone and Telegraph Co do Cumberland Telephone and Telegraph Co-	do	30
	reopies Telephone and Telegraph Co	do	7
	Cumberland Telephone and Telegraph Co.	do	
	do	do	12
	Sunset Telephone and Telegraph Co	do	1.6
	ournet reichneine aug reiegrahn co	do	4 2
	Michigan Telephone Codo Missouri and Kansas Telephone Co		

ite.	Name.	Nature of payment.	Τ
3.			
4	Peninsular Telephone Co	Telephone services	
	Sunset Telephone and Telegraph Co	do	
	Put in Bay Telegraph Co	Telegraph services	
	Michigan Telephone Co	do	
	Money Pittshope Telegraph Co	do	
	Peninsular Telephone Co Sunset Telephone and Telegraph Co————————————————————————————————————	do	
	Moncure-Pittsboro Telegraph Co. Alabama and Georgia Long Distance Telephone Codo Cumberland Telephone and Telegraph Co. Miami Telephone Co. Lowa Telephone Co. Cumberland Telephone Co. Cumberland Telephone and Telegraph Co. Winton Telegraph Co. Home Telephone Co. Chesterfield Telephone and Telegraph Co. Winton Telephone Co. Chesterfield Telephone and Telegraph Co. Winton Telephone and Telegraph Co. Winton Telephone Co. Chesterfield Telephone and Telegraph Co. Winton Telephone and Telegraph Co. Chesterfield Telephone and Telegraph Co. Winton Telephone and Telegraph Co. Rathrina Wagner F. L. Keating Marquette County Savings Bank. C. M. Beeson Joseph Bryan C. Baldwin The First National Bank of Moorhead M. E. Shelden The Society of Savings Houghton County Electric Light Co. Consolidated Electric Light Co. Consolidated Electric Light Co. United Electric Light and Power Co. Annapolis Gas and Electric Light Co. The Phoenix Light and Fuel Co. P. H. Cheney & Sons Municipal Electric Light Plant City of East Tawas, Mich Electric Lighting Co. of Mobile The Commercial Electrical Co. The Lorain Gas Co. Port Huron Light and Power Co. Chicago Edison Co. The Missouri Pacific Rwy, Co. do Baltimore and Ohio R. The Pennsylvania R. R. Co. do Cleveland, Cincinnati, Chicago and St. Louis Rwy, Co. Pere Marquette R. R. Co.	do	
	Cumberland Telephone and Telegraph Co-	do	
	Miami Telephone Co	do	
	Iowa Telepĥone Co	do	
	The Ohio River Telephone Co	do	
	Cumberland Telephone and Telegraph Co.	do	
	Homo Tolophono Co	do	
	Chesterfield Telephone and Telegraph Co.	do	
	Pacific States Telephone and Telegraph Co	do	
	Wm. Curry's Sons	Office rent	
	Walter Talbot	do	
	Kathrina Wagner	do	
	F. L. Keating	do	
	Marquette County Savings Bank	do	
	U. M. Beeson	00	
	C Boldwin	do	
	The First National Bank of Moorhead	do	
	M. E. Shelden	do	
	The Society of Savings	do	
	Houghton County Electric Light Co	Electric light	
	Consolidated Electric Light Co	do	
	United Electric Light and Power Co	do	
	Annapolis Gas and Electric Light Co	do	
	The Phoenix Light and Fuel Co	do	
	Municipal Floatric Light Plant	do	
	City of East Tawas Nich	do	
	Electric Lighting Co. of Mobile	do	
	The Commercial Electrical Co	do	
	The Lorain Gas Co	do	
	Port Huron Light and Power Co	do	
	Chicago Edison Co	do	
	The Missouri Pacific Rwy. Co	Passenger transportation	
	Paltimore and Ohio P. P.	do	
	The Pennsylvania R. R. Co.	do	
	do	do	
	Atlantic Coast Line R. R. Co	do	
	do	do	
	Cleveland, Cincinnati, Chicago and St.	do	
	Louis Rwy. Co.		
	Chesapeake and Ohio Rwy. Co	do	
~	Chesapeake and Ohio Rwy. Co	Evolubt abayees	
- 6	Co.	rreight charges	
	Lake Shore and Michigan Southern Rwy.	do	
	Co. do	do	
	Star Union Line San Antonio and Aransas Pass Rwy. Co. Fremont, Elkhorn and Missouri Valley	do -	
	San Antonio and Aransas Pass Rwy. Co	do	
	Fremont, Elkhorn and Missouri Valley	do	
	R. R. Co.		
	Wm. P. Clyde & Co	do	
	do	do	
	Vors York Ontonio and Wooten Barry Co	do	
	Donyon & Pio Grando P. P. Co.	do	
	do	do	
	do	do	
	Pere Marquette R. R. Co	do	
	Fremont, Elkhorn and Missouri Valley R. R. Co. Wm. P. Clyde & Co. do Chesapeake and Ohio Rwy. Co New York, Ontario and Western Rwy. Co. Denver & Rio Grande R. R. Co: do. do Pere Marquette R. R. Co. do Steamer Arrow	do	
	Steamer Arrow The Atchison, Topeka and Santa Fe Rwy.	do	
	The Atchison, Topeka and Santa Fe Rwy.	do	
	Baltimore and Ohio R. R. Co Chicago and Alton Rwy. Co Southern Rwy. Co	do	
	Chicago and Alton Rwy. Co	do	
	Southern Rwy. Co.	do	
	do do Pennsylvania R. R. Co	do	

### $Expenditures\ of\ Department\ of\ Agriculture\ for\ year\ ending\ June\ 30,\ 1903-{\bf Cont'd}$

Date.	Name.	Nature of payment.	Total.
1903.	,		
eb. 7	Rome, Watertown and Ogdensburg R. R	Freight charges	\$1.
	Norfolk and Washington Steamboat Co Northern Michigan Transportation Co	do	Ž.
	Northern Michigan Transportation Co	do	Э.
	Norfolk and Western Rwy J. J. Hagerty Wm. J. Crawford S. C. Dooley Adams Express Co do J. H. Kimball C. E. Linney C. S. Grindle H. C. Frankenfield A. H. Thiessen E. S. Nichols	do	38.
	Wm I Crawford	Drayage	1. 1.
	S C Dooley	do	1.
	Adams Express Co	Express charges	1.
	do	do	3.
	J. H. Kimball	Subsistence	8.
	C. E. Linney	Traveling expenses	10.
	C. S. Grindle	do	14.
	A H Thiosan	do	64.
	E S Nichols	do	6. 13.
	E. S. Nichols J. Kenealy	Reeving halvards	8.
	J. Kenealy E. C. Vose E. A. Beals	Station expenses	9.
	E. A. Beals	Drayage, etc	9. 7.
	P. McDonough L. F. Laney, deceased, estate of	Drayage Services	1.
- 3	L. F. Laney, deceased, estate of	Services	6.
	Destan anhatations	do	1.00
	Shroropout substations	Pay roll	176.
	Boston, substations Shreveport, substations Port Huron, substations St. Louis Transfer Co	do	47. 188.
	St. Louis Transfer Co	Dravage	1.
	do	do	
	do The Northwestern Telephone Exchange Co	do	1.
	The Northwestern Telephone Exchange Co. Dodge City Telephone Co. Northwestern Telephone Exchange Co.	Telephone services	21.
	Dodge City Telephone Co	do	3.
	Northwestern Telephone Exchange Co	Popoliting tolograph line	9.
	F. Muller F. F. Bossnot	Repairing telegraph line	4. 1.
	H. M. Dearborn	Erecting shelves Making electrical connections with lanterns.	20.
	II. M. Dour boi ii.	with lanterns.	
	W. B. C. Duryee	Incandescent lamps	2.
	R.G. Chambers Duluth Van and Storage Co	Storm door	2.
	Duluth Van and Storage Co	Packingstorm-warninglanterns	2.
	A. Sjogren C. M. Bailey Chicago and Northwestern Rwy. Co.	Painting storm-warning tower-	12.
	C. M. Bailey	Repairing triple register Passenger transportation	1.
	Norfolk and Southern R. R. Co	Passenger transportation	30. 2.
	Pere Marquette R. R. Co	do	ã.
	The Atchison, Topeka and Santa Fe Rwy.	do	25.
	Co.		
	C. P. Meekins	Office rent	3.
	H.F. Barnett	do	3.
	R. C. Evans	do	8.
10	Dyal Upchurch Investment Co	Chorels	187. 3.
10	W. H. Rollins C. Baldwin	Shovels Office rent	112.
	F. Brookins	Reeving halyards	5.
	Fee & Stewart Co	Oil heater	12.
	E.D.Beattie	Printing climate and crop re-	36.
	D = 1.	ports.	
	P. Dickson	Repairing tower	2.
	H. H. Kimball	Subsistence Station averages	31. 9.
	Peter Wood O. W. Roberts	Station expensesdo	9. 6.
	W. Bell	Drayage	1.
	A. H. Thiessen	Station expenses	11.
	J. H. Kimball	Subsistence	31.
	A. C. Pickels G. A. Loveland	Subsistence Traveling expenses	28.
	G. A. Loveland	do	11.
	R. H. Sullivan		19.
	E. A. Beals	00	18.
	A. G. McAdiedo	. do	2. 10.
	O.D.Stewart	do ·	8.
	L. Lodholz		5.
	F D Cohordy	do	25.
	R. Z. Burns Western Union Telegraph Co	do	8.
	Western Union Telegraph Co	Telegraph services	15,675.
			15, 474.
10	A. F. Jorss The Atchison, Topeka and Santa Fe Rwy.	Brass railing	86.
12	The Atchison, Topeka and Santa Fe Rwy.	Passenger transportation	4.
1.0	Co.	do	33.
	Baltimore and Ohio R. R. Chicago and Northwestern Rwy. Co	do	61. 24.

# Expenditures of Department of Agriculture for year ending June 30, 1903—Cont'd. GENERAL EXPENSES, WEATHER BUREAU—Continued.

٠.	Name.	Nature of payment.	
12	Jackson & Jackson Norfolk and Washington Steamboat Codo Wabash R. R. Codo dodo Louisville and Nashville R. R. Cododo Pennsylvania R. R. Codo	Coal Freight charges	
	Wahash P. P. Co	do	
	do	do	
	do	do	
	Louisville and Nashville R. R. Co	do	
	dodo	do	
	Pennsylvania R. R. Co	do	
	do	do	
	do	do	
	do	do	
	do -	do	
	do	do	
		do	
	do	do	
	Lubiah Wallan D. D. C	do	
	do do	do	
	do do do do do do do do do do do	do	
	Illinois Central R. R. Co.	do	
	do	do	
	The Denver and Rio Grande R. R. Co	do	
	ao	do	
	Co		
	Texarkana and Fort Smith Rwy. Co	do	
	Maine Central R. R. Co	do	
	Detroit and Mackinac Rwy. Co	do	
	Co. Texarkana and Fort Smith Rwy. Co. Chicago and Northwestern Rwy. Co. Maine Central R. R. Co. Detroit and Mackinac Rwy. Co. Ulster and Delaware R. R. Co. Richmond, Fredericksburg and Potomac R. R. Co.	do	
	R. R. Co.		
	Michigan Central R. R. Co	do	
	R. R. Co. Michigan Central R. R. Co. Atlanta and North Carolina R. R. Co. Boston and Maine R. R.	do	
	Boston and Maine R. R. Baltimore and Ohio Southwestern R. R. Co. New York Central and Hudson River R. R.	do	
	New York Central and Hudson River R. R.	do	
	Co. Evansville and Terre Haute R. R. Co	do	
	Star Union Line.	do	
	Charleston and Western Carolina Rwy. Co.	do	
	Grand Trunk Railway of Canada	do	
	Pere Marquette R. R. Co	do	
	Star Union Line Charleston and Western Carolina Rwy. Co. Washington and Southern Rwy. Co. Grand Trunk Railway of Canada Pere Marquette R. R. Co. West Virginia Central and Pittsburg Rwy. Co.	do	
	Washington County R. R. Co.	do	
		Glycerin, etc	
	do W. B. Moses & Sons The Smith Premier Typewriter Co J. Baumgarten & Sons New York, substations J. P. Bolton W. L. Day C. M. Strong	Office furniture	
	The Smith Premier Typewriter Co	Repairing typewriter	
	J. Baumgarten & Sons	Rubber stamps Pay roll	
	J. P. Bolton	Rent of telephone, etc.	
	W. L. Day	Station expenses	
	C. M. Strong	Drayage	
	C. M. Strong T. S. Outram J. W. Cronk	DrayagedoStation expenses	
	R (+ Allen	Destroyo	
	A. G. McAdie E. H. Bowie A. H. Thiessen	do	
	A. H. Thiessen	Packing apparatus etc	
	D. K. HOICOIND	Traveling expenses	
	W. L. Moore	Traveling expensesdo	
	Maurice Joyce Engraving Co	Printing supplies	
	John Moran Maurice Joyce Engraving Codo. Rudolph, West & Codo	Iron kettle Printing supplies Photo-engraving plates	
	Rudolph, West & Co	Mica and hammers Hose and couplings	
	00	Hose and couplings	

# $Expenditures \ of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, \ 1903-{\tt Cont'd}.$

ate.	Name.	Nature of payment.	Total.
903.			
eb. 12	Woodward & Lothrop	Desk	\$24.
	do	Office furniture	24.
		Office furniture	22.
	do do Broderick Bros Summers Printing Co C. A. Schneider's Sons Barber & Ross W. B. Moses & Sons	Rags	34.
	Summers Printing Co	Printing annual Cast-iron pan Scoop shovels Office furniture	14.6 69.
	C A Schneider's Sons	Cast-iron pan	1.
	Barber & Ross	Scoop shovels	3
	W. B. Moses & Sons	Office furniture	3. 32. 11.
	do	BOOKCASE	11.
	do	Chair Rugs	4.
	do	Rugs	4. 276.
		Matches	15.
	do	Lye	10.
	M. Du Perowdodododododododododo	Push button Clamps	1. 18.
	Amoriaan Writing Machine Co	Typowniton	144.
	do do	Rongiving typewriter	10.
	do	Platen for caligraph	2.
	Herman Baumgarten	Rubber stamps	ĩ.
	do	Duplicating rollers	52.
	do	Rubber stamps	2.
	do do M. G. Copeland Co	Clamps. Typewriter Repairing typewriter Platen for caligraph Rubber stamps Duplicating rollers Rubber stamps	1.
	M. G. Copeland Co	Flags	94.
	do	do	243.
	Grandham Brindand G. 1 G.	Code signals	41.
	Southern Printers' Supply Co	Type, brass rule, etc	4.
	7 D Cilmon	Vaseline	98. 3.
	Hugh Roilly	Turnentine	25.
	Wyckoff Seamons & Benedict	Renairing typewriter	13
	dododo Southern Printers' Supply Codo	Turpentine Repairing typewriter Blotting paper	13. 29.
	Clark & Davenport National Printers' Supply Co. J. C. Entwistle J. Baumgarten & Sons	Carpet	23,
	National Printers' Supply Co	Tweezers Engraving rain chart Logotypes	36. 7. 17.
	J. C. Entwistle	Engraving rain chart	12.
	J. Baumgarten & Sons	Logotypes	17.
	do	Type	23. 18.
	do	Dating stamps.  Type  Numbering machine Platen for caligraph	2.
20	do American Writing Machine Co	Platen for caligraph	2
	do	Paper	2. 71. 17.
	do	Repairing caligraph	17.
	do do Geo. F. Muth & Co	Lamps, etc	95.
	Woodward & Lothrop do do do Rudolph, West & Co do do	Repairing caligraph Lamps, etc Clock and varnish brushes Office furniture	41. 37. 52.
	Woodward & Lothrop	Office furniture	37.
		GO	195.
	Pudolph West & Co	Connou pivots	190.
	do do	Halvarde etc	1. 28. 45.
	do	Rone nails etc	45.
		do Towels Copper rivets Halyards, etc Rope, nails, etc	3.
	do	Pliers Cuspidors Meyers's putz cream	44.
	do R. Carter Ballantyne	Meyers's putz cream	13.
	R. Carter Ballantyne	Paper	43.
	do	Copying pads	52. 58.
	Maurice Joyce Engraving Co	Paper Copying pads Electrotype plates Flags	58.
	M. G. Copeland & Co	Musilage	44. 12.
	do Maurice Joyce Engraving Co. M.G. Copeland & Co. J. N. Rupp National Printers' Supply Co. Smith Premier Typewriter Co. D. Frank Parker H. Baumgarten E. Morrison Paper Co. Eberhard Faber Yawman & Erbe Manufacturing Co. Mackall Bros. J. C. Entwistle Lamb & Tilden	riags Mucilage Lye brushes Repairing typewriter Paper, varnish, etc Type Ink Rubber bands Form files	16.
	Smith Premier Tynewriter Co	Renairing typewriter	31
	D. Frank Parker	Paper, varnish, etc	460.
	H. Baumgarten	Type	460. 27. 8.
	E. Morrison Paper Co	Ink	8.
	Eberhard Faber	Rubber bands	125.
	Yawman & Erbe Manufacturing Co	Form files	80.
	Mackall Bros	Soap	102.
	J.C. Entwistle	Form files Soap Engraving rain chart Ink Repairing typewriter Charcoal Paper Telegraph services do do	102. 7. 54.
	Donomono Tymorymiton Co	Renairing typewriter	10
	John Moran	Charcoal	10.
	John Moran R.P. Andrews & Co. (Incorporated) Postal Telegraph Cable Co do do do	Paper	12
	Postal Telegraph Cable Co	Telegraph services	12. 83.
	dodo	do	48.
	do	do	39.
	do.	do	505.
	do	do	1. 2.
	do Southern Rwy. Co. Littlefield, Aivord & Co. Norfolk and Washington Steamboat Co.	Passenger transportation Drayage Passenger transportation	2. 13.

Date.	Name.	Nature of payment.	Total.
1903. Feb. 20	Pennsylvania R. R. Co.	Freight charges	§0. 37
reb. 20	a.	do	. 36
	do do 	Telegraph servicesTelephone services	360, 32 4, 74
			72.98 2.60
	The International Ocean Telegraph Co Corvallis and Eastern R. R. Co Chicago, Burlington and Quincy R. R. Co Minneapolis, St. Paul and Sault Ste. Marie	do	2.30 17.24
	Rwy. Co. Jacksonville and St. Johns Bar Telegraph Co.	do	8.25
	Great Northwestern Telegraph Co. of		155. 55
	Cumberland Telephone and Telegraph Co- Aurora and Friendship Telephone Line	dodododo	87.30 3.60
	Canada. Cumberland Telephone and Telegraph Co. Aurora and Friendship Telephone Line Home Telephone Co. Rocky Mountain Bell Telephone Co. New England Telephone and Telegraph	do do	3. 90 30. 20 3. 40
	Co. The Bell Telephone Co. of Buffalo. Ocean Towboat Line. Marthas Vineyard Telegraph Co. The International Ocean Telegraph Co. Pacific States Telephone and Telegraph Co. Kelley Island and Sandusky Cable Co. Philadelphia, Reading and Pottsville Telegraph Co.	do	8.80
	Marthas Vineyard Telegraph Co	do	12.00 79.93
	The International Ocean Telegraph Co Pacific States Telephone and Telegraph Co.	do	149.90 10.40
	Kelley Island and Sandusky Cable Co	do	9. 20
	Philadelphia, Reading and Pottsville Telegraph Co.	do	. 21
	Elizabeth City and Norfolk Telegraph Co-   Southern Bell Telephone and Telegraph Co-	Telephone services.	3. 85 15. 00
	graph Co. Elizabeth City and Norfolk Telegraph Co. Southern Bell Telephone and Telegraph Co. Jacksonville Telephone Co. Dakota Central Telephone Lines (Incorporated)	do do	15.00 7.50 98.59
	L. G. Sutton	Dravage	1.70
	A. J. Mitchell L. Lodholz	Station expenses Subsistence	3.08 15.30
	L. Lodholz	Drayage	15.30
	B. Bunnemeyer N. M. Cunningham G. A. Loveland	Station expenses	. 65
	G. A. Loveland	do	. 65 8. 16
	H.W.Grasse O.L.Fassig	do	5.00 8.75
	E. A. Evans	Drayage Silver sand Drayage	16. 43
	G. E. French & Co	Silver sand	3.00
	The Pacific Transfer Co	Repairing thermograph	18.00 1.50
	Thayer & Jackson Stationery Co	Binding weather maps	10.50
	O.L. Fassig E. A. Evans G. E. French & Co The Pacific Transfer Co C. A. Clement Thayer & Jackson Stationery Co Charles Eneu Johnson & Co Flint & Walling Manufacturing Co Addressograph Co do G. R. Foster Wagner Typewriter Co J. P. Nawrath Parker Bros B. J. Sherry	Ink	10.50 27.50
	Addressore ph Co	Anchor posts Addressograph and cabinet Rubber type, logotype, etc Printing annual summary Repairing typewriter Jute	7.80 45.00
	do	Rubber type, logotype, etc.	30.69
	G. R. Foster	Printing annual summary	70.00
	Wagner Typewriter Co	Repairing typewriter	7.00 58.86
	Parker Bros	Bookcase	20.00
	B. J. Sherry	Jute Bookcase Repairing telegraph line do	2.50
	I. C. Hall	do	2.50 2.00
	B. J. Sherry L. C. Hall J. A. Jones Baumgardt Publishing Co		13.00
	John Lang Johnson & Johnson American Type Founders Co. J. A. Melton Evans & Meekins	Repairing telegraph line	2.50 12.50
	American Type Founders Co.	Coal Type Telegraph table	28.40
	J. A. Melton	Telegraph table	9.50
	Evans & Meekins	Drayage Team hire	9. 50 12. 00 41. 00
	00	Team nire	41.00 7.41
	J. H. Thiemeyer	Packing boxes	5.40
	J. H. Thiemeyer F. F. Bossnot Yates & Co Spokane Dry Goods Co. T. Strauss Leaman Parker H. B. M. No. 11	Station expenses Packing boxes Repairing furniture Oil	1.73 2.50
	Spokana Dry Goods Co	Oil	2.50
	T. Strauss.	Rug and carpet	36.50 2.00
	Leaman Parker	Cleaning thermograph Repairing telegraph line	2 00 3.00
			72.50
	H.R. Poole The Holtzer-Cabot Electrical Co	Horse hire	8.00 27.50
	O. F. Fritchie Humboldt County, Nev Northern Electrical Co Electric Light Co	Electric motor. Cleaning office cabinet	5.00
	Humboldt County, Nev	Office rent Placing lanterns Electric light	67 C
			37.63

### $Expenditures \ of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1903-{\tt Cont'd}.$

ate.	Name.	Nature of payment.	Tota
903.			
b. 20	H. D. Feast & Co Spahr & Glenn Seth Thomas Clock Co	Telescopes Printing summary	\$101
	Spahr & Glenn	Printing summary	67
	Seth Thomas Clock Co	Keys	1
	James Murphy J. P. Nawrath American News Codo	Regulator clocks	- 66
	James Murphy	Repairing river gauge Velvet sponge Ink eradicators	5
	J.P. Nawrath	Velvet sponge	22
	American News Co	Ink eradicators	29
	do	Blotters	88
	Coston Signal Co. (Incorporated) R. A. Milligen	Answering signals Laying carpet	35
	R.A. Milligen	Laying carpet.	ā
	E. O. Zadek U. B. Dodge H. T. Madgwick	Repairing clock Repairing flagstaff Repairing instrument shelter,	2
	U. B. Dodge	Repairing flagstaff	
	H. T. Madgwick	Repairing instrument shelter,	38
	A Distance	etc.	
	A. Bitterman	Repairing barograph and ther-	4
	D1:11:- T :- 1	mograph.	000
	Philip Lindemeyer Smith Premier Typewriter Co Cincinnati, New Orleans and Texas Pacific	Paste.	322
	Cincipacti New Colons and Towns Decide	Repairs for typewriter Passenger transportation	10
	Description Co.	rassenger transportation	7
	Nwy. Co.	a.	
	Atlantia Coast Line B. B. Co.	do	9
	W M Fulton	Traveling expenses	27
	Cincinnati, New Orleans and Texas Pacific Rwy. Co. Nashville, Chattanooga and St. Louis Rwy. Atlantic Coast Line R. R. Co. W. M. Fulton do A. G. McAdie	Traveling expensesdo	10
	A. G. McAdie Stanley Boykin Rudolph, West & Co United States Envelope Co J. C. Parker W. B. Moses & Sons F. R. Beahan	do	13
	Stanlay Roykin	do	
	Rudolph West & Co	do Shears, screw-driver, etc Envelopes	69
	United States Envelope Co	Envelones	5.
21	J C Parker	Map paper Repairing chair Station expenses Freight charges Drayage, etc	75
21	W R Moses & Sons	Renairing chair	10
	F R Reahan	Station expenses	3
			2
	R. B. Harkness W. M. Fulton G. N. Salisbury	Dravage etc	
	W M Fulton	Station expenses	1
	G N Salisbury	Express charges etc	-
	Herman Baumgarten	Rubber stamps	
	do	do	
	G. N. Salisbury Herman Baumgarten do American Type Founders Co Louis Bader F. A. Schmidt Chadwick Copying Book Co R. Carter Ballantyne. Waterbury Battery Co The J. C. Ergood Co G. K. Whitcomb B. D. Johnson	Station expenses Express charges, etc Rubber stamps do Type	62
	Louis Bader	River gauge	4
	F. A. Schmidt	Metal tubes, etc	4
	Chadwick Copying Book Co	River gauge Metal tubes, etc Copying books Pens and pencils	149
	R. Carter Ballantyne.	Pens and pencils	134
	Waterbury Battery Co	Batteries and recharges	1,10
	The J. C. Ergood Co	Starch	
	G. K. Whitcomb	Starch . Erecting instrument shelter	
	B. D. Johnson T. B. Satterwhite & Co J. P. Friez	Office rent	2.
	T. B. Satterwhite & Co	1ce	
	J.P.Friez	Register pens Sockets for sunshine recorder Locks and keys	7.
	do	Sockets for sunshine recorder	3
	J. E. Turton	Locks and keys	1'
	H.G. Hart	Team hire and services	1
	J. E. Turton H. G. Hart E. S. Adams & Co	Mirror	
		Copper cover for thermometers	
	E. P. Jones	Oince l'ent	2
	Henotype Printing Co	Pollon from oc	16
	Thos, Somerville & Sons	Office furniture	10
	w.s.Jeins E.P.Jones Heliotype Printing Co Thos. Somerville & Sons Keuffel & Esser Co Albort Blackwood	Copper cover for thermometers Office rent Zinc-plate map Roller frames Office furniture Running levels	1
	Albert Blackwood W. P. Gilbert	Oil	
	W.F.Gilbert	House him	
	H. A. Poole W. L. Thompson	Oil Horse hire	
	Alabama Mississippi and Tannassas Tala	Telephone services	
	Alabama, Mississippi and Tennessee Tele- phone Co.	refephone services	
	John Clarke	do	
	The Central Distributing and Printing	Telegraph services	3
	The Central Distributing and Printing Telegraph Co.	Totograph sorvices	
	Pacific States Telephone and Telegraph	do	
	Co.		
	Convellis and Factorn P. P. Co.	do	
	Rising Sun Telegraph Line	do	9
	do	do	7
	Rising Sun Telegraph Line  do H.E. Wadsworth New England Telephone and Telegraph	do	58
	New England Telephone and Telegraph	do	
	J. T. Harper	do	18
	The Wabash R. R. Co	Passenger transportation	6
	Southern Printers' Supply Co	Rubber bands	
	J. T. Harper The Wabash R. R. Co Southern Printers' Supply Co R. Carter Ballantyne American Type Founders Co J. B. Lambie	Paper	19
	American Type Founders Co	Cutting sticks	18
		Shovels, spring catches, etc	

э.	Name.	Nature of payment.	Total.
3.			
21	J. B. Lambie M. G. Copeland Co The Henry Walke Co Wolf Bros Geo. W. Taylor & Co Cheboygan Electric Light and Power Co Standard Oil Co Clark & Davenport M. Du Perow C. F. Marvin N. B. Conger G. W. Wagner The Addressograph Co W. B. Moses & Sons H. R. Rust U. G. Copeland Co W. B. Moses & Sons H. R. Rust U. G. Copeland Co W. B. Moses & Sons H. R. Rust U. B. Hart	Hand reamer	\$10.
-	M. G. Copeland Co	Code signals	35.
	The Henry Walke Co	Code signals Jeweler's rolling mill	94.
	Wolf Bros	Envelopes	453.
	Geo. W. Taylor & Co	Coal	14. 27. 6.
	Cheboygan Electric Light and Power Co.	Installing electric lanterns	27.
	Standard Oil Co	Oil Carpet Switches Traveling expensesdo Printing annual summary Addressograph Door mats Repairing file case Office rent Remairing telegraph line	0.
	Clark & Davenport	Carpet	42.
	M. Du Perow	Switches	2.
28	N. D. Company	Traveling expenses	87.
60	G W Wagner	Drinting annual summany	60.
	The Addressourenh Co	Addressoranh	60.
	W B Moses & Sons	Door mats	39.
	H. R. Rust	Repairing file case	20.
	O. B. Hart	Office rent	8.
	O.B. Hart I. W. Appleton S. G. Morse Flora Jones	Repairing telegraph line Horse hire Laying carpet	3.
	S.G. Morse	Horse hire	3.
	Flora Jones	Laying carpet	4.
			2. 1.
	C. E. Johnson	Repairing instrument shelter Horse hire	1.
	R. C. Ballantyne	Pens	2.
	Addressograph Co	Pens Parts for addressograph	
	C. E. Johnson R. C. Ballantyne Addressograph Co Richmond, Fredericksburg and Potomac	Passenger transportation	14.
	R. R. Co. Northern Pacific Rwy. Co. Norfolk & Southern R. R. CoMichigan Central R. R. CoPeninsular and Occidental S. S. Co. New York, New Haven and Hartford R. R.	do	93.
	Norfolk & Southern R R Co	do	2.
	Michigan Central R. R. Co	Freight charges	2.
	Peninsular and Occidental S. S. Co	do	ĩ.
	New York, New Haven and Hartford R. R.	do	1. 2.
	Co.		
	Southern Rwy. Co	do	6.
	Cleveland, Cincinnati, Chicago and St.	do	5.
	Louis Rwy. Co.		
	Chicago and Southeastern Rwy. Co	do	
	Virginia Truckee R. R. Co	do	
	Central Vermont Rwy. Co	do	
	Co.: Southern Rwy. Co.: Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co. Chicago and Southeastern Rwy. Co. Virginia Truckee R. R. Co. Central Vermont Rwy. Co. Burlington and Missouri River R. R. in	do	1.
			0
	The Denver and Kio Grande K. K. Co	do	3.
	Ocean Steamship Co. of Savannah	do	2. 1.
	The Denver and Rio Grande R. R. Codo.  do.  Ocean Steamship Co., of Savannah  New Bedford, Marthas Vineyard and Nantucket Steamboat Co.  T. B. Spear & Sons  Burnside and Burkville Transportation	do	
	T. B. Spear & Sons	do	1. 1.
	Burnside and Burkville Transportation	ao	1.
	Co.	do	
	Pennsylvania R. R. Codo  R. C. Ballantyne J. E. Green Peter Graydoddodo	do	
	P C Ballantyna	Lodger	20.
	J.E. Green	Services	5.
	Peter Grav	Copper vessels	30.
	do	Lantern chimneys	12.
	Addressograph Co	Type and links	5.
	F.H. Coleman	Services Copper vessels. Lantern chimneys Type and links Traveling expenses	14.
	Go Addressograph Co F. H. Coleman A. G. McAdie W. M. Wilson H. B. Hersey W. M. Wilson Frankfort Electric Light Co F. G. Blaisdell G. H. Berry	do	10.
	W.M. Wilson	do	14.
	H.B.Hersey	do	53.
	W. M. Wilson	Subsistence	45. 56. 16.
	Frankfort Electric Light Co	Wiring tower	56,
	C. H. Bansaell	Subsistence Wiring tower Telephone services	16.
	Ctotoomon Dwinting Co	Station expenses	4.
	G. H. Berry Statesman Printing Co H. Alf. Sparling Charles Williams H. D. Flexes	do do	44,
	Charles Williams	Penairing Telegraph line	59. 4.
	H. R. Elev	do	2.
	Williston Telephone Exchange	Telephone services	6.
	New York Telephone Co	do	1
	H. R. Eley Williston Telephone Exchange New York Telephone Co	Printing annual summary  do Pepairing Telegraph line  do Telephone services  do  do	1. 2.
	The Electric Storage Battery Co E. Clark	Elements type Repairing caligraph Installing storm-warning [sta-	21.
	E. Clark	Repairing caligraph	31.
	The Apalachicola Electric Light and Telephone Co. American Writing Machine Co	Installing storm-warning sta-	15.
	Telephone Co.	tion.	
	American Writing Machine Co	Repairing caligraph	18.
	do Rudolph, West & Co F. I. Carter	do	18.
		Unistones etc	45.
	F. I. Carter  Western Union Telegraph Co	Daniel Control	5.

Oate.	Name.	Nature of payment.	Total.
1903.	Charles Wood Peter Dickson Southern Rwy. Co		
b. 28	Charles Wood	Wood	\$9.5 7.6 7.8 11.3
	Peter Dickson	Repairing storm-warning tower	7.0
	Southern Rwy. Co	Freight charges	7.8
	do	do	11.3
	do	do	2.8 3.
	Boston and Maine R. R.		3.
	Tonnesses Control P. P. Co	do	1.
	Poro Moronotto P. P. Co	do	4.
	Old Dominion S. S. Co	do	2.
	W.J. Crawford	Dravage	1.
	The Chicago and Alton Rwy. Co.	Passenger transportation	8.
	E. H. Bowie	Traveling expenses	12.
	W. F. R. Phillips et al	Pay roll, climatology	516.
	J. P. Church et al	Pay roll, printing office	2,610.
ar. 5	J. F. Atherton	Traveling expenses	14.
	J.Sands	do	10.
	C.F. Massay	Lineleum	17.
	Western Union Telegraph Co	Rengiring telegraph line	17. 7. 2.
	Edwards & Broughton	Printing annual summers	40.
	Keystone Type Foundry	Repairing printing press	2.
	American Type Founders Co.	Logotypes	56.
	F. B. Brown	Printing annual summary	58.
	M. D. Leaming	Installing electric lights	12. 73.
	H. B. Brown M. D. Leaming Chadwick Copying Book Co C. D. Peacock, jr Addressograph Co Hoke Engraving Plate Co	Printing annual summary Installing electric lights Copying books Repairing thermograph Parts of addressograph Recoating base plates Section liner Recoating base plates Book paper Freight charges	73.
	C. D. Peacock, Jr	Repairing thermograph	4.
	Holzo Enguaring Plate Co	Parts of addressograph	15.
	do	Section liner	287. 2.
		Recoating base plates	175.
	R. P. Andrews & Co. (Incorporated)	Book paper	975.
	Fremont, Elkhorn and Missouri Valley	Freight charges	8.
	R. R. Co.		
	J. C. Davis	do	3.
	do	do	3. 10.
	Pere Marquette R. R. Co	do	2.
	Pacine Coast S. S. Co	do	٥.
	Nortork and washington Steamboat Co	do	2. 5.
	R. R. Co. J. C. Davis  do Pere Marquette R. R. Co. Pacific Coast S. S. Co Norfolk and Washington Steamboat Co. do New Bedford, Martha's Vineyard and Nantucket Steamboat Co.	do	1.
	tucket Steamboat Co.		
	The Denver and Rio Grande R. R. Co	do	4.
	J.J. Hagerty	Drayage	
	E. Aigetlinger	do	
	do	do	
	S. C. Dooley	The inlet above	4.
	Illinois Central R. R. Co	rreight charges	4. 2.
	Washington Southern Rwy Co	do	ĩ.
	do	do	1.
	Atlantic Coast Line R. R. Co	do	3.
	do	do	2.
	Eureka and Ely Stage Line	do	
	New Bedford, Martha's Vineyard and Nantucket Steamboat Co. The Denver and Rio Grande R. R. Co. J. J. Hagerty E. Aigetlingerdo S. C. Dooley Illinois Central R. R. Cododo Washington Southern Rwy. Codo Atlantic Coast Line R. R. Codo Eureka and Ely Stage Line Texas Pacific Rwy. Co Western Rwy. of Alabama Pennsylvania R. R. Codo Louisville and Nashville R. R. Co. Norfolk and Western Rwy. Co. Norfolk and Western Rwy. Co. The Oregon Short Line R. R. Co. Addressograph Co. A. Zappone S. C. Calvert C. E. Linney Pennsylvania Co. The Atchison, Topeka and Santa Fe Rwy. Co. Boston and Maine R. R.	do	1.
	Western Rwy. of Alabama	do	4.
	Pennsylvania K. K. Co.	do	1.
	Louisville and Nashville R R Co	do	2.
	New York Ontario and Western Rwy Co	do	4.
	Norfolk and Western Rwy. Co	do	2.
	The Oregon Short Line R. R. Co	do	8. 125.
	Addressograph Co	Logotype, links, etc	125.
	A. Zappone	Traveling expenses	62.
9	S. C. Calvert	do	10.
	C. E. Linney	Subsistence	28. 33.
	The Atchison Topoka and Santa Fe Provi	do	60.
	Co.	uU	00.
	Boston and Maine R. R.	do	4.
	Capital Ice Co	Ice	4.
	Norwich University	Repairing platform	70.
	1.23	Type and logotype	188.
	Addressograph Co	Floatnotymo platos	6.
	Addressograph Co H. S. Crocker	Electrotype plates	
	Addressograph Co H. S. Crocker S. E. Christian	Placing wind vane	10.
	Boston and Maine R. R. Capital Ice Co Norwich University Addressograph Co H. S. Crocker S. E. Christian Harrisburg Cycle and Typewriter Co	Placing wind vane Repairing typewriter	10.
	Addressograph Co H. S. Crocker S. E. Christian Harrisburg Cycle and Typewriter Co E. C. Palmer Co. (Limited)	Placing wind vane Repairing typewriter Station supplies	10. 7. 2.
	Addressograph Co H. S. Crocker S. E. Christian Harrisburg Cycle and Typewriter Co E. C. Palmer Co. (Limited) W. W. Montague & Co Meteorological Council The Addressograph Co	do Ice Repairing platform Type and logotype Electrotype plates Placing wind vane Repairing typewriter Station supplies do Compiling forecast telegrams	10.

ate.	Name.	Nature of payment.	Total,
903.			
903. r. 9	American Type Founders Co. T.J. Tillett Joseph Boothby J. C. Hayden H. H. Kimball Pittsburg, Shawmutand Northern R. R. Co. Thos. Somerville & Sons Woodward & Lothrop do W. B. Moses & Sons do do	Staple cases	\$1.4 3,0 60.0
	T.J. Tillett	Kerosene	3,0
	Joseph Boothby	Kerosene Erecting tower	60.0
	J. C. Hayden	Drayage	1.1
	H. H. Kimball	Brayage Subsistence Freight charges Glass water gauges Chair, brooms, and india linen Cotton wadding Chair Bookcase	28.0
12	The Semewille & Sens	Class water gauges	3.3
12	Woodward & Lothron	Chair brooms and india linen	61.0
	do	Cotton wadding	21.0
	W. B. Moses & Sons	Chair	5.9
	do	Bookcase	11.8
	do	Table and chair	16. 2
	E. Morrison Paper Co	Shipping tags	1.0
	Geo. F. Muth & Co	Varnish, etc.	2.4
	do do E. Morrison Paper Co. Geo. F. Muth & Co. Z.D. Gilman The Smith Premier Typewriter Co. W. W. White Rudolph, West & Co. The Central District and Printing Tele-	Bookcase Table and chair Shipping tags Varnish, etc Bottles Repairing typewriter Repairing printing press Shears Telegraph services	$\frac{1.5}{21.6}$
	W W White	Renairing type willer	13.5
	Rudolph West & Co	Shears	38.1
	The Central District and Printing Tele-	Telegraph services	10.4
	The Central District and Printing Telegraph Co.	z crografia sor cross	2012
	do	do	3.0
	Postal Telegraph Cable Co	do	.8
	do	do	33.0
	do	do	233. 8
	Pacific States Tolonhone and Tolograph Co.	do	43. 2
	Home Telephone Co.	Telephone services	7. 0 3. 9
	A.G. McAdie	Traveling expenses	4.6
	H.O.Geren	do	27.5
	F. P. Chaffee	do	13, 8
	J. H. Robinson	do	19.0
	Central Printing Co	Printing annual summary	81.0
	Daniel Murphy	do	30.0
	The Central District and Printing Telegraph Co.  do Postal Telegraph Cable Codo do do do do Pacific States Telephone and Telegraph Co. Home Telephone Co. A. G. McAdie H. O. Geren F. P. Chaffee J. H. Robinson Central Printing Co. Daniel Murphy Phillips Brothers E. D. Beattie Rice & Rice S. J. Shiel J. L. Christie J. E. Garrett J. C. Widman & Cc J. L. Christie J. L. Christie The Globe Wernicke Co W. J. Coffin F. L. Hartenstein R. G. Chambers M. Krammer	OO	95.0
	Rice & Rice	Rangire to store	150.0
	S. J. Shiel	Hard-oil finish	1.8 12.0
	J. L. Christie	Constructing river gauge etc	75.0
	J. E. Garrett	Washing towels	. 7
	J. C. Widman & Cc	Making weather map	162.0
	J. L. Christie	Installing river gauge	5.0
	The Globe Wernicke Co	File cabinet	16.8
	W.J.Coffin	File cabinet Cleaning weather map Repairing clock Repairing instrument shelter Repairing thermograph Repairing furniture Telegraph sounders Freight and drayage Lantern slides Pay roll	15.6
	R. G. Chambers	Repairing clock	2.0
	M. Krammer	Repairing instrument shelter.	6. 5 1. 5
	L. J. Cottrill Manhattan Electrical Supply Co Frank Rooney O. L. Fassig New York, substations Burlington and Missouri River R. R. in	Repairing furniture	15.0
	Manhattan Electrical Supply Co	Telegraph sounders	15. 0 7. 5
	Frank Rooney	Freight and drayage	3. 5
	O.L. Fassig	Lantern slides	25. 0 35. 0
	New York, substations	Pay roll Passenger transportation	35.0
	Nebraska.	Passenger transportation	31.6
	Hlinois Control P. P. Co	do	96 6
	Illinois Central R. R. Co. Santa Fe, Prescott and Phoenix Rwy. Co. The Lake Shore and Michigan Southern	do	28. 2 30. 0
	The Lake Shore and Michigan Southern	do	11. 2
	Chesapeake and Ohio Rwy. Co. Chicago, Rock Island and Pacific Rwy. Co. Western Union Telegraph Co. Duluth, South Shore and Atlantic Rwy. Co. Kansas City Southern Rwy. Co. Burlington and Missouri River R. R. in Nebraska.	dodo	51.5
	Chicago, Rock Island and Pacific Rwy. Co.	do	59.0
	Western Union Telegraph Co	Telegraph services	14,428.8
	Duluth, South Shore and Atlantic Rwy. Co.	Freight charges	3.0
	Ransas City Southern Rwy. Co.	00	1. 2 33. 2
	Nebraska.	ao	99, 4
			5. (
	Erie R. R. Co	do	,4
	J.J. Hagerty	Drayage	, 8
	Union Pacific R. R. Co Erie R. R. Co J. J. Hagerty Wm. J. Crawford Buffalo, Rochester and Pittsburg Rwy. Co. Illinois Central R. R. Co The Denver and Rio Grande R. R. Co Lehigh Valley R. R. Co Norfolk and Washington Steamboat Co C. H. Mallory & Co De Tour Lumber and Cedar Co Pennsylvania Co Hannibal and St. Joseph R. R. New York Central and Hudson River R. R. Co.	do	.7
	Buffalo, Rochester and Pittsburg Rwy. Co.	Freight charges	.5
	The Denvey and Bio Chande B. B. C.	do	1.2
	Lehigh Valley R R Co	do	1.0
	Norfolk and Washington Stoomboot Co	do	1. å 1. 8
	C. H. Mallory & Co	do	6.6
	De Tour Lumber and Cedar Co	do	6. 0 1. 5
	Pennsylvania Co	do	.4
	Hannibal and St. Joseph R. R.	do	1.6
	New York Central and Hudson River R. R.	do	.4
	Co.		. (

# $Expenditures of \ Department of \ Agriculture for \ year \ ending \ June \ 30, 1903-{\tt Cont'd}.$

ate.	Name.	Nature of payment.	Total.
03.			7
r. 12	Gulf, Colorado and Santa Fe Rwy, Co Southern Rwy, Co Texas and Pacific Rwy, Co The Oregon Short Line R. R. Co. Great Northern Rwy, Co do San Antonio and Aransas Pass Rwy, Co Chicago, St. Paul, Minneapolis and Omaha Rwy, Co.	Freight charges	\$1.0
	Southern Rwy. Co.	do	51. 5. 1. 6. 7. 7. 11.
	The Oregon Short Line R R Co	do	6.
	Great Northern Rwy. Co	do	7.
	do	do	7.
	do	do	11.
14	San Antonio and Aransas Pass Rwy. Co	do	10.
	Rwy. Co.	do	6.
	Chicago and Northwestern Rwy Co	do	5
	do	do	5. 16.
	do	do	15. 1.
	Hannibal and St. Joseph R. R	do	
	Delevere Leekswanne and Western P. P.	do	i.
	Delaware, Lacka wanna and Western K. K.	do	:
	St. Louis and San Francisco R. R. Co	do	2.
	The Hocking Valley Rwy. Co	do	
	Pacific Coast Steamship Co	do	
	Runlington and Missauri Biron B. B.	do	5. 17.
	Rwy. Co. Chicago and Northwestern Rwy. Co. do do do Hannibal and St. Joseph R. R The Colorado and Southern Rwy. Co Delaware Lackawanna and Western R. R. Delaware and Hudson Co. St. Louis and San Francisco R. R. Co. The Hocking Valley Rwy. Co. Pacific Coast Steamship Co. Atlantic Coast Line R. R. Co. Burlington and Missouri River R. R. in Nebraska.		17.
	Lehigh Valley R. R. Co	do	
	De Tour Lumber and Cedar Co	do	9.
	Michigan Central R. R. Co	do	
	Nebraska. Lehigh Valley R. R. Co. De Tour Lumber and Cedar Co. Michigan Central R. R. Co. St. Louis Transfer Co. Western Union Telegraph Co. Postal Telegraph Cable Co. Cumberland Telephone and Telegraph Co. Enterprise Telegraph Co. Elizabeth City and Norfolk Telegraph Co. Alabama and Georgia Long Distance Telephone Co.	Tolograph convices	
	Postal Telegraph Cable Co	do	117. 4.
	Cumberland Telephone and Telegraph Co.	do	4.
	Enterprise Telegraph Co	do	15.
	Elizabeth City and Norfolk Telegraph Co.	do	15. 5. 6.
	Alabama and Georgia Long Distance Tele-	do	6.
	Chicago Rurlington and Oniney R. R. Co.	do	5
	International Ocean Telegraph Co.	do	5. 113,
	Chesapeake and Potomac Telephone Co	do	4.
	Alabama and Georgia Long Distance Telephone Co. Chicago, Burlington and Quincy R. R. Co. International Ocean Telegraph Co. Chesapeake and Potomac Telephone Co. Baltimore and Ohio R. R. Jacksonville and St. Johns Bar Telegraph Co.		4. 1. 9.
	Marthas Vineyard Telegraph Co- Burlington and Missouri River R. R. in	Passenger transportation	43. 16.
	Burlington and Missouri River R. R. in	Passenger transportation	16.
	Nebraska.	do .	20.
	do	do	1.
	Northern Pacific Rwy. Co	do	44.
	J. H. Kimball	Subsistence	28.
	Charles Eneu Johnson & Co	Ink	20.
	Phillips & Butlowff Manufacturing Co	Water cooler and filter	1.
	A.C. Lake	Repairing telegraph line	2.
	Benjamin Lynch	do	2. 1.
	A. B. Pitman	do	5.
	Frank Golart, Jr.	Toom him	7.
	C H Pitman	do .	2
	S. C. Luce	do	5. 7. 2. 2. 4.
	R.G.Allen	Traveling expenses	II.
	J. B. Marbury	do	40.
	J. W. Smith	do	2. 3.
17	E. H. Furbush	Dravage	0.
,	Burington and Missouri River R. R. in Nebraska. Chicago, Milwaukee and St. Paul Rwy. Codo J. H. Kimball Charles Eneu Johnson & Co A. H. Kelly Phillips & Butlorff Manufacturing Co A. C. Lake Benjamin Lynch A. B. Pitman Frank Golart, jr A. O. Fischer C. H. Pitman S. C. Luce R. G. Allen J. B. Marbury J. W. Smith	Printing climate and crop bul-	36.
	m T min	letins.	0
	T.J. Tillett	Horse hire	12.
	H.J. Green	Thermometers	2. 13. 1,000.
	George Innes & Co	Horse hire Repairing telegraph line Thermometers Carpet	56. 38. 2. 5.
	T. J. Tillett B. J. Sherry H. J. Green George Innes & Co Brant & Gribi W. Nelson D. W. Maynard	Office case Repairing clock Painting wind-instrument sup-	38.
	W. Nelson	Repairing clock	2.
	D. W. Maynard	Painting wind-instrument sup-	ð.
	D A Oliver	ports. Frame and glass	2
	Carter, Rice & Co. (Corporation)	Tissue paper	2. 33.
	J. H. Kroeber & Co	Gas brackets	8. 370.
		I I I a m o m	370
	G. W. Millar & Co	Paper	15
	G. W. Millar & Co G. W. O'Brien	Office rent	15.
	D. A. Oliver Carter, Rice & Co. (Corporation) J. H. Kroeber & Co G. W. Millar & Co G. W. O'Brien Addressograph Co Yates & Co J. L. Hudson	ports. Frame and glass Tissue paper Gas brackets Paper Office rent Addressograph and cabinet Oil, etc Repairing furniture	15. 44. 2.

# $Expenditures of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1903-{\rm Cont'd.}$

te.	Name.	Nature of payment.	Total.
)3.		,	
. 17	Chadwick Copying Book Co	Rebinding books	\$7. 60.
	do	do	40.
	American Type Founders Co	Printing material	29.
	A. F. Magrum	Traveling expenses	10.
	A C Pickels	do	14. 9.
	C. E. Linney	do	8.
	The Nevada Central R. R. Co	Freight charges	
	Pennsylvania R. R. Co	do	1.
	do	do	
	Chadwick Copying Book Co C. E. Johnson & Co do American Type Founders Co A. F. Magrum J. L. Bartlett A. C. Pickels C. E. Linney The Nevada Central R. R. Co. Pennsylvania R. R. Co Star Union Line do Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co do	do	2.
		do	2.
	do	do do Express charges. White rags File case Half-tone plates, etc Electrotype plates, etc do Repairing typewriter File case Copper tray Cleaning weather map	6.
20	United States Express Co Edward Mullin	Express charges.	6.
	Edward Mullin	White rags	14.
	Edward Mullin Yawman & Erbe Manufacturing Co The Maurice Joyce Engraving Co do	Half tone plates etc	50. 476.
	do	Electrotype plates, etc.	45.
	do	do	18.
	Wyckoff, Seamans & Benedict	Repairing typewriter	. 21.
- 1	Yawman & Erbe Manufacturing Co	Copposition	50. 2.
	R. A. Shaw	Cleaning weather map	10.
	do d	Copper tray Cleaning weather map Watchmakers' eyeglasses Battery cells. Princhers Shelving Passenger transportation dodo	3.
	Electric Storage Battery Co	Battery cells.	14.
	Honry Haidenraich	Shelving	10.
	Terre Haute and Indianapolis R. R.	Passenger transportation	19.
	Michigan Central R. R. Co	do	64.
	New York Central and Hudson River R. R.	Dan en ora ota	9.
1	L. A. Hatten	Traveling expenses	17.
1	L. A. Hatten Rising Sun Telegraph Line Alabama, Mississippi and Tennessee Tele-	Telegraph services	3. 17. 2.
	Alabama, Mississippi and Tennessee Tele-	do	5.
	phone Co.	Binding forecast charts	35.
	Dygert & Son Knight & Wall Co Baumgardt Publishing Co	Water cooler	2.
		letins.	13.
	Max Levy	Repairing electric circuits	2.
	The Pelouze Paper and Type Co	Benzine Recasting rollers	1.
	Geo. W. Taylor & Co	Coal	2. 42. 2.
	E. Wiggers	Coal	2.
	Max Levy Yates & Co The Pelouze Paper and Type Co Geo. W. Taylor & Co E. Wiggers J. H. Cook The Timothy Dry Goods Co	River gauge Linoleum Telegraph services	40. 41.
24	The Timothy Dry Goods Co.  Postal Telegraph Cable Co. of Texas.  Home Telephone Co.  Elizabeth City and Norfolk Telegraph Co.  Ocean Tow Boat Line.  Minneapolis, St. Paul and Sault Ste. Marie	Telegraph services	9.
	Home Telephone Co	do	3.
	Elizabeth City and Norfolk Telegraph Co.	do do do	6. 12.
	Minneapolis, St. Paul and Sault Ste. Marie	do	11.
	The Great Northwestern Telegraph Co. of	do	140.
	Canada.	do	162.
	do	do	16%.
	New England Telephone and Telegraph Co. Santa Fe, Prescott and Phoenix Rwy. Co. The Pennsylvania R. R. Co. Colorado Midland Rwy. Co. John C. Parker	Passenger transportation	2. 48.
	The Pennsylvania R. R. Co	do	8.
	Lohn C Parker	do Bookcase Rubber gloves.	15. 15.
	M. Lindsay Rubber Co	Rubber gloves	1.
	Phillips-Buttorff Manufacturing Co	Water-cooler stand	3.
	J. & A. Bosch W. W. Post	Balloon baro-thermograph	68.
	A. E. Drinkwater	Water-cooler stand Balloon baro-thermograph Repairing telegraph line do	2
	Western Union Telegraph Co	do	6.
	H. A. Pool	do Horse hire Traveling expenses	3.
	E. G. Celvin	Traveling expenses	13.
	M. E. Conway	Repairing typewriter	13. 6.
	A. Zappone	Traveling expenses	6.
	J. Warren Smith	Traveling expenses	10.3
	Colorado Midland Rwy. Co John C. Parker M. Lindsay Rubber Co Phillips-Buttorff Manufacturing Co. J. & A. Bosch W. W. Best A. E. Drinkwater Western Union Telegraph Co H. A. Pool E. G. Colvin C. E. Linney M. E. Conway A. Zappone J. Warren Smith Fred A. Schmidt	Rain gauges and measuring sticks.	1,332.0
	J. B. Lambie	Scissors	27.0

Date.	Name.	Nature of payment.	Total.
1903.	,		
[ar. 31	Rudolph, West & Co Western Union Telegraph Co Jacksonville and St. Johns Bar Telegraph	Grindstone	\$2.00 114.3
	Western Union Telegraph Co	Telegraph services	114.3
			9. 7
	Marthas Vineyard Telegraph Co	do	42.8
	International Ocean Telegraph Co	do	183.19
	Corvallis and Eastern R. R. Co.	do	183. 19 2. 30 2. 60
	Marthas Vineyard Telegraph Co. International Ocean Telegraph Co. Corvallis and Eastern R. R. Co. New England Telephone and Telegraph Co. Philadelphia, Reading and Pottsville Telegraph Co.	do	2.60
	graph Co.		. 10
	dô	do	.10 11.9
	Pacific States Telephone and Telegraph Co.	do	11.9
	do	do	281.3
	do	do	46.88 37.0
	do	do	26. 7
	The K. L. Bryan Co	Heating store	26. 7 8. 5
	O. G. Skylstead	Lantern and lamp shade	1.5
	Capital Telephone and Telegraph Co	Telephone services	4.5
	W. H. Renear	Repairing telegraph line	2.0 3.0
	C. H. Foster	do	3. U
	B.J. Sherry	do	2. 5 2. 5
	graph Co. do Pacific States Telephone and Telegraph Co Postal Telegraph Cable Co do do do do The R. L. Bryan Co. Pier Hardware Co O. G. Skylstead Capital Telephone and Telegraph Co W. H. Renear C. J. Brierley C. H. Foster B. J. Sherry Cumberland Presbyterian Publishing House	Printing annual summary	44.0
	House. Julien P. Friez. E. C. Fuller Co. Edward Morse & Co F. F. Bossnot E. F. Sanguinetti Borton Coal and Trading Co. Seth Thomas Clock Co W. S. Lanneau American Writing Machine Co Townsend Gas and Electric Co. W. A. Duvall E. J. Joy Barnhart Bros. & Spindler.	Parts for sunshine recorder	75.0
	E. C. Fuller Co	Parts for sunshme recorder Parts for wire stitcher Cementing basement floor Repairing wind-vane support Oil and ink Coal Clocks Glass Repairing typewriter Storm-warning lanterns Renovating office rooms Wardrobe shelving, etc	2.9
	Edward Morse & Co	Cementing basement floor	2.93 388.0
	F. F. Bossnot	Repairing wind-vane support	1.0 11.2 76.2
	Borton Coal and Trading Co	Coal	76.2
	Seth Thomas Clock Co	Clocks	38.5
	W. S. Lanneau	Glass	12.5
	American Writing Machine Co	Repairing typewriter	22. 0 14. 0
	W. A. Duvall	Renovating office rooms	14.0
	E.J.Joy	Wardrobe shelving, etc	$\frac{21.7}{3.7}$
	E. J. Joy Barnhart Bros. & Spindler Portland General Electric Co	Printing supplies Constructing regulating rheo-	3.7
		stat.	25.0
	The Bunnell Telegraph and Electric Co	Pliers, relays, etc	59.8
	Wm. Gadsby Colwell & Rogers J. R. Reynolds	Carpet, etc. Laying plank roadway Painting and erecting river	67.5 121.2 22.0
	J. R. Reynolds	Painting and erecting river	22.0
		gauge.	
	The Globe-Wernicke Co	Base for cabinet	4.5
	The Globe-Wernicke Co McEwen & Lauver Whitly & Haines	Wood Installing storm-warning lan-	19.8 18.5
		terns.	
	George Meier & Co	Gum arabic Installing stand and shades	2.0 14.6
	The Smith Premier Typewriter Co	Renairing stand and snades	14.0
	George Meier & Co I. Gevartz & Sons The Smith Premier Typewriter Co J. A. Roebling's Sons Co Eureka Lighting Co	Repairing typewriter Telegraph wire Installing storm-warning lan-	$\frac{1.5}{229.9}$
	Eureka Lighting Co	Installing storm-warning lan-	10.0
		terns. Table and cabinet	12.0
	Astoria Electric Co.	Installing lanterns	30.0
	Millison Office Supply Co. Astoria Electric Co. Durward McGee Thayer & Jackson Stationery Co. J. A. Melton Megeath Stationery Co. Seaboard Air Line Southern Rwy. Co. Littlefield, Alvord & Co. do	Repairing river gauge	1.5
	Thayer & Jackson Stationery Co	Binding circulars	3.7
	Megeath Stationery Co	Ink	11.5 1.2
	Seaboard Air Line	Passenger transportation	5.4
	Southern Rwy. Co.	do	8.5 14.3
	do Littleneid, Alvord & Co	Drayage	11.8
	Wm. J. Crawford	do	1.5
	do Wm. J. Crawford W.B. Moses & Sons J. C. Parker	Table and cabinet Installing lanterns Repairing river gauge Binding circulars Telegraph table Ink Passenger transportationdo Drayagedododododododotable Stationery supplies Neostyle springs Instrument sheltersdododo	1.5 11.5
	J.C.Parker	Stationery supplies	109.8
	J.E. Turton	Instrument shelters	1.0 600.0 12.0
	do	do	12.0
	do	do	135.0
	I C Entwistle	Engraving rain chart	12.5 7.5
	do The Smith Premier Typewriter Co, C. Entwistle Edward Mullen BA Stock	do do Repairing typewriter Engraving rain chart Rags Cleaning weether man	14 (
			2. 4 78. 7 22. 9
	F. A. Schmidt Dennison Manufacturing Co National Electric Supply Co	Rain gauges	78.7
	Dennison Manufacturing Co	Shipping tags	66.

Date.	Name.	Nature of payment.	Total.
1903.			
Mar. 31	Wm. H. Dyer W. L. Moore R. L. Miller	Sawdust	\$1. 43.
	W. L. Moore	Traveling expenses	43.
	R. L. Miller	do	5.
			7. 4. 16.
	E. A. Beals G. F. Field John Grover E. W. McGann W. M. Wilson O. C. Burrows. H. O. Geren F. H. Emery	do	16
	F W McConn	do	6
	W M Wilson	Subsistence	45
	O C Burrows	Station expenses	6. 45. 2. 27.
	H. O. Geren	Subsistence Stereotype metal, etc	27.
	E.H. Emery .	Stereotype metal, etc	
	A. F. Sims	Express charges Pay roll (climatology) Pay roll (printing office)	3.
	W. F. R. Phillips et al	Pay roll (climatology)	568.
	A. F. Sims. W. F. R. Phillips et al. Jno. P. Church et al.	Pay roll (printing office)	2,900.
	Total third quarter		142,877.
pr. 7	Union Pacific R. R. Co do do Norfolk and Western Rwy. Co Chicago, St. Paul, Minneapolis and Omaha	Freight charges	4.
	do	do	3. 35.
	do	do	35.
	Norfolk and Western Rwy. Co	do	1.
	Chicago, St. Paul, Minneapolis and Omaha	do	64.
	Rwy. Co.	3	
	Rwy. Co. Louisville and Nashville R. R. Co. Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co. Pacific Coast Steamship Co. Grant Rivenburg Lone Star Ice Co. Consumers' Co. Grable & Collings Co. R. A. Milligan Fairbanks, Morse & Co. Paul A. F. Walter, postmaster Chicago Telephone Co. F. L. Knight Joe Campbell Munger's Laundry L. E. Scarr	do	1.
	Louis Rwy Co	d0	3.
	Pacific Coast Steamship Co	do	1.
	Grant Rivenburg	Ice	2.
	Lone Star Ice Co	do	4. 7. 3.
	Consumers' Co	do	7
	Grable & Collings Co	Ink and mucilage	3.
	R. A. Milligan	Office furniture	19.
	Fairbanks, Morse & Co	Scales	19. 2. 1.
	Paul A. F. Walter, postmaster	Rent of post-office box	1.
	Chicago Telephone Co	Delivering bulletins	15.
	F.L. Knight	Washing towels	1.
	Joe Campbell	00	6.
	Munger's Laundry	do	0.
	The Apalachicola Electric Light and Tele-	Electric light	6.
	phone Co. Tampa Electric Co. M. E. Blystone H. O. Geren B. M. Jacobs Chicago Auditorium Association. Fraternal Hall Association Prudential Building Co. E. P. Jones H. H. Taylor, agent Taylor National Bank T. B. Catron Jacob Crocker	do	3.
	M F Blyetone	Traveling expenses	9.
	H O Geren	do	7
	B. M. Jacobs	Office rent	8. 7. 30.
	Chicago Auditorium Association	do	437.
	Fraternal Hall Association	do	105.
	Prudential Building Co	do	170.
	E. P. Jones	do	25. 322. 143. 105.
	H. H. Taylor, agent	do	322
	Taylor National Bank	do	143.
	T. B. Catron	do	109.
	Canadidated Immusement Ca	do	75.
	Dent & Rutler	do	165 105
	Jacob Crocker Consolidated Improvement Co Dent & Butler Tyree & Wilkins, agents. Walla Walla Lodge, No. 56, I. O. O. F. Paine Brothers T. E. Warren Mercantile Co	do	67.
	Walla Walla Lodge, No. 56, L.O. O. F.	do	84
	Paine Brothers	do	84. 73.
	T. E. Warren Mercantile Co	do	129
	E. L. Renoe	do	150
	Conrad National Bank	do	150 67 2 112
	C. P. Meekins	do	2.
	William Pollman	do	112
	G. L. Lovett	do	105
	City of Columbia S. C.	do	94.
	A W Kennie	do	90.
	Fremont Lumber Co	do	75. 87
	H. F. Barnett	do	9
	Peter Sonna	do	87. 2. 120.
	The Gamble-Desmond Co	do	96
	O. I. Mairs	do	90.
	A. J. Knight	do	90. 82. 15.
	T. E. Warren Mercantile Co E. L. Renoe Conrad National Bank C. P. Meekins William Pollman G. L. Lovett Farmers' National Bank, Fresno, Cal City of Columbia, S. C A. W. Kennie Fremont Lumber Co H. F. Barnett Peter Sonna The Gamble-Desmond, Co O. I. Mairs. A. J. Knight The Southwestern Telegraph and Telephone Co.	Telephone services	15.
	phone Co. Pennsylvania Telephone Co. Chicago Telephone Co. Idaho Independent Telephone Co. Rocky Mountain Bell Telephone Co. Michigan Telephone Co.	do	10
	Chicago Telephone Co	do	18. 57
	Idaho Independent Telephone Co	do	4.
			4.
	Rocky Mountain Bell Telephone Co	do	8.

# $Expenditures of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30,1903-\text{Cont'd.}$

Date.	Name.	Nature of payment.	Total
1903. pr. 7	Michigan Telephone Co.  Missouri and Kansas Telephone Co. Independent Telephone Co. Santa Fe Electric Telephone Co. Rocky Mountain Bell Telephone Co. Pacific States Telephone and Telegraph Co. Southern Bell Telephone and Telegraph Co. The Inland Telephone and Telegraph Co. The Inland Telephone Exchange Co. Southern Bell Telephone Exchange Co. Southern Bell Telephone Exchange Co. Kalispell Water and Electric Co. Michigan Telephone Co. Mississippi Valley Telephone Co. of Iowa. Sunset Telephone and Telegraph Co. Bell Telephone Co. Southern Bell Telephone and Telegraph Co. Southern Bell Telephone and Telegraph Co. Bell Telephone Co. Southern Bell Telephone Co. Alabama and Georgia Long Distance Telephone Co.		
Apr. 7	Michigan Telephone Co	Telephone services	\$6. 9.
	Missouri and Kansas Telephone Co	do	9.
	Santa Fa Floatnia Talanhana Ca	do	7. 6.
	Rocky Mountain Ball Talanhana Co	do	15
	Pacific States Telephone and Telegraph Co	do	15. 9.
	Southern Bell Telephone and Telegraph Co	do	э. 3.
	Lynchburg Telephone Co	do	3.
	The Inland Telephone and Telegraph Co.	do	3. 9.
	Northwestern Telephone Exchange Co	do	9.
	Southern Bell Telephone and Telegraph Co.	do	12.
	Michigan Telephone Co.	do	22. 12.
	Kalispell Water and Electric Co	do	12.
	Mississippi Valley Telephone Co.	,-do	6.
	Sunget Telephone and Telephone Co. of Iowa.	do	6.
	Rell Telephone Co	do	96
	Southern Bell Telephone and Telegraph Co.	do	26. 12. 5. 9.
	Telephone Co. of South Jersey	do	5
	Rocky Mountain Bell Telephone Co	do	9.
	Alabama and Georgia Long Distance Tele-	do	5.
	phone Co.		
	Alabama and Georgia Long Distance Telephone Co. Pacific States Telephone and Telegraph Co. Southern Bell Telephone and Telegraph Co. Missouri and Kansas Telephone Co. R. Carter Ballantynedo. The Pennsylvania R. R. Codo D. F. Thompson D. F. Webber L. C. Ballard C. Eblighausen C. T. Dagwell Jno. T. Myers Washington Ellis Arkansas Typewriter Exchange Home Telephone Co. San Antonio Gas and Electric Co. The Sena Antonio Telephone Co.	do	9.
	Southern Bell Telephone and Telegraph Co.	do	9
	Peninsular Telephone Co	do	8
	Missouri and Kansas Telephone Co	do	18 801 20
	R. Carter Ballantyne	Books	801
11	The Description D. D. C.	Letter paper	20
11	The Pennsylvania R. R. Co	Passenger transportation	27
	D. F. Whompson	Commissions	27 28 4
	D.F. Thompson	Services	4
	I. C Balland	do	4
	C Fhlighengen	do	4
	C.Eblighausen	do	45
	Ino T Myers	do	15
	Washington Ellis	do	9
	Arkansas Typewriter Exchange	Repairing typewriter	15 9 5
	Home Telephone Co	Telephone services	6 6 7
	San Antonio Gas and Electric Co	Electric light	6
	The Southwestern Telegraph and Tele-	Telephone services	7
	_ phone Co.		
	The San Antonio Telephone Co	do	7
	West Virginia Western Telephone Co	do	4 3 12
	The Coloredo Telephone Co	do	19
	William Vandanhung	Convious	3
	A V Landarof	do	10
	Togenh Lawrence	do	10 21
	J.J. Cason	do	$\tilde{1}\tilde{5}$
	Chas J. Chabot	Repairing typewriter	1
	Whitelaw & Peasley	Photographic supplies	5
	Prince A. McCree	Services	5
	Kathrina Wagner	Office rent	75
	Yate Hicks, agent	do	120
	San Antonio Gas and Electric Co The Southwestern Telegraph and Telephone Co. The San Antonio Telephone Co West Virginia Western Telephone Co Dodge City Telephone Co The Colorado Telephone Co William Vandenburg A. V. Landgrof Joseph Lawrence J. J. Cason Chas J. Chabot Whitelaw & Peasley Prince A. McCree Kathrina Wagner Yate Hicks, agent Dexter Horton Utah and Pacific R. R. Co Ed. S. Hughes & Co T. M. Jeffris & Co C. M. Beeson Emily Culbertson Van Bibber Roller Co Addressograph Co Eberhard Faber E. D. Beattie Davis & Kirman Emmet Minnihan	do	120
	Utah and Pacific R. R. Co	do	45
	Ed. S. Hughes & Co.	do	95
	T. M. Jehris & Co.	do	90 125 88 127 4 18
	U. M. Beeson	do	192
	Van Pihhau Pallau Ca	Casting rollors	121
	Addressoranh Co	Rubber type etc	18
	Eberhard Faber	Pencils	10
	E. D. Beattie	Printing	36
	Davis & Kirman	Window shades	36
	Emmet Minnihan	Repairing telegraph line	1 105
	Norfolk enhetations	Pay roll	105
	Macon, substations	do	35
	New Haven, substations	do	48 12
	Macon, substations New Haven, substations Catherine Ryan E. H. Nimmo	Pencils Printing Window shades Repairing telegraph line Pay roll do do Services Station expenses Expressage do Station expenses Board and lodging Subsistence Station expenses Station expenses Control of the control o	12
	E. H. Nimmo	Station expenses	1
	E. H. Nimmo N. R. Taylor L. C. Cover C. C. Garrett H. H. Kimball A. McC. Ashley R. H. Sullivan Frank Ridgway E. L. Renoe	Expressage	2
	L. C. Cover	do	2
	U.C.Garrett	Station expenses	9
	H. H. Kimball	Board and lodging	26
	A. McC. Ashley	Subsistence	45
	n.n. sumvan	Station expenses	$\frac{1}{45}$
	Enonly Didarrow		

# Expenditures of Department of Agriculture for year ending June 30, 1903—Cont'd. GENERAL EXPENSES, WEATHER BUREAU—Continued.

te.	Name.	Nature of payment.	Total
3.			
. 11	J. H. Jones	Traveling expenses	\$30
	J. W. Wolcott	do	
	J. K. Hooper	do	5 6 17
	C. M. Strong	do	12
	E. R. Miller	do	16
	G. M. Chappel	do	(
	H. H. Kimball	do	4
	J. H. Jones J. W. Wolcott J. K. Hooper J. W. Bauer C. M. Strong E. R. Miller G. M. Chappel H. H. Kimball Atchison, Topeka and Santa Fe Rwy, Co. New York, New Haven and Hartford R. R. Co.	Freight transportation	47
-	Buffalo, Attica and Arcade B. R. Co	do	
	Columbia and Okanogan Steamship Line.	do	
	Cleveland, Cincinnati, Chicago and St.	do	
	Columbia and Okanogan Steamship Line Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.  do do Burlington route, Missouri lines do Chicago, Burlington and Quincy R. R. Co Missouri Pacific Rwy. Co do do The Denver and Rio Grande R. R. Co Atlantic Coast Line R. R. Co Chesapeake and Ohio Rwy. Co Chicago, St. Paul, Minneapolis and Omaha Rwy. Co. Baltimore and Ohio Southwestern R. R. Co Central of Georgia Rwy. Co Conspective Columbia	do	:
	Purlington route Missouri lines	do	
	do	do	3
	do	do	,
	Chicago, Burlington and Quincy R. R. Co.	do	28
	do	do	
	Missouri Pacific Rwy. Co	do	
	do	do	;
	The Denvey and Pie Grands P. P. C-	do	
	Atlantic Coast Line R R Co	do	1
	Chesapeake and Ohio Rwy. Co.	do	14
	Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.	do	3:
	Baltimore and Ohio Southwestern R.R. Co.	do	
	Central of Georgia Rwy. Co	do	18
	Baltimore and Ohio R. R. Co	do	13
1	Ponnovlyonia Co	do	2
	Southern Rwy Co	do	1.
1	do	do	1
1	do	do	
1	Union Pacific R. R. Co	do	
1	do	do	
	do do Chicago, Rock Island and Pacific Rwy. Codo Chicago, Milwaukee and St. Paul Rwy. Codo do Michigan Control P. P. Co	do	
	Chicago, Rock Island and Pacine Rwy. Co.	do	:
Ì	Chicago, Milwaukee and St. Paul Rwy Co.	do	
	do	do	
	do	do	;
	Michigan Central R. R. Co	do	
	C. H. Mallory & Co	do	
	M E Conway	Office Pant	9
	do Michigan Central R. R. Co C. H. Mallory & Co Pennsylvania R. R. Co M. E. Conway Board of county commissioners of Humboldt County, Nev. Charles J. Buell Chamber of Commerce Building Co. M. J. G. Hatch The Society for Savings, Cleveland. G. S. Waite Albert Marty Northwestern Mutual Life Insurance Co., of Milwaukee, Wis.	do	3'6'
	Charles J. Buell	do	94
	Unamber of Commerce Building Co	do	93
	The Society for Savings Cleveland	do	6- 28
	G. S. Waite	do	109
	Albert Marty	do	16
	Northwestern Mutual Life Insurance Co., of Milwaukee, Wis.	do	12
	Los Angeles Trust Co	do	19
	Joseph Gussenhoven	do	90
	Northwestern Mutual Life Insurance Co., of Milwaukee, Wis. Los Angeles Trust Co. Fannie L. Keating.  Joseph Gussenhoven Tacoma Chamber of Commerce and Board of Trade.	do	90 78
	of Trade. Improvement Loan and Trust Co do New York, substation Norwich University The Hanson & Van Winkle Co E. A. Born W. H. H. Smith E. J. Pheips The Williams & Rodgers Co C. A. Johnson F. J. Finck People's Gaslight and Coke Co	do	15
	New York, substation	Pav roll	2
	Norwich University	Heat and electric light	2
	The Hanson & Van Winkle Co	Instrument supplies	3
	E. A. Born	Electric light	2
	W.H.H.Smith	Services.	1:
	The Williams & Redgers Co	Station supplies	- 1
	C A Johnson	Washing towels	
	F. J. Finck	Station supplies	
	People's Gaslight and Coke Co The Silver State Towel Supply Co	Gas	
	The Silver State Townel Supply Co.	Towel supply Electric light	è
	Charleston Consolidated Railway, Gas, and		8

# $Expenditures of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1903---Cont'd.$

ate.	Name.	Nature of payment.	Total.
903.		·	
r. 11	Cumberland Electric Light and Power Co.	Electric power	\$15. 21.
	Cumberland Telephone and Telegraph Co.	Electric power Telephone services	21.
	R. L. Lewis H. J. Ledoux J. R. Roche & Co R. M. Geddings J. Warren Smith P. H. Smyth	do Water services Repairing clock Express charges Drayage and express charges Drayage Express charges	24.
	J. R. Roche & Co	Repairing clock	3. 3.
	R. M. Geddings	Express charges	
	J. Warren Smith	Drayage and express charges	16. 2. 2.
	P. H. Smyth	Drayage	2.
	L. H. Murdoch W. S. Bolden	Express charges	3.
	W. S. Belden A. G. Burns Frank Jermin	do Orayage and express.  do Odo	1.
	Frank Jermin	Cleaning thermograph clock	1. 2.
		Drayage and express	
	J. L. Cline Wm. M. Dudley P. Connor R. A. Gardiner David Cuthbertson L. H. Daingerfield A. L. Cook F. D. Miracle M. Parmentier Warfield & Dann Bank of Wytheville O. I. Taylor American Surety Co., of New York P. A. Willis D. B. Dodge K. F. Coke Pacific Club J. B. Smith Hudson River Telephone Co Binghamton Telephone Co Singhamton Telephone and Telegraph Co Cumberland Telephone and Telegraph Co The Southern New England Telephone Co The Bell Telephone Of Philadelphia. Southern Bell Telephone Co New York Telephone Co Central New York Telephone Co Central New York Telephone Co Central New York Telephone Co Cumberland Telephone Co Countral New York Telephone Co Central New York Telephone Co Cunion Telephone Co Maryland Telephone Co Maryland Telephone Co The Consolidated Telephone Companies of Pennsylvania. Southern Bell Telephone and Telegraph Co	do	1.
	P. Connor	Can fano	7.
	R. A. Gardiner	Traveling expenses	18.
	David Cuthbertson	Station expenses	7.
	L. H. Daingerfield	do	
	A. L. Cook	Office rent	90.
	F. D. Miracle	do	147. 74.
	Warfield & Donn	00	72.
	Bank of Wytheville	do	100
	O. I. Taylor	do	100. 57. 625.
	American Surety Co., of New York	do	625.
	P. A. Willis	do	10. 59. 60.
	D. B. Dodge	do	59.
	Pacific Club	do	65.
	J. B. Smith	do	75. 16. 7.
	Hudson River Telephone Co	Telephone services	16.
	Binghamton Telephone Co	do	7.
	Nebraska Telephone Co	do	16.
	Cumberland Telephone and Telegraph Co.	do	10. 27.
	The Bell Telephone of Philadelphia	do	30.
	Southern Bell Telephone and Telegraph Co.	do	24.
	New York Telephone Co	do	60.
	Rocky Mountain Bell Telephone Co	do	15.
	Chesapeake and Potomac Telephone Co	do	31.
	Central New York Telephone and Tele-	do	20.
	Union Telephone Co	do:	В
	Wytheville Telephone Co	do	6. 3.
	Maryland Telephone and Telegraph Co	do	14.
	Wisconsin Telephone Co	do	3.
	La Crosse Telephone Co	do	9
	Pennsylvania.	ao	9.
	Southern Bell Telephone and Telegraph Co- Palestine Telephone Co- Marquette City Light and Power Commis-	do	7.
	Palestine Telephone Co	do	9 12
	Marquette City Light and Power Commis-	Electric power	12.
			4
	Postal Telegraph Cable Co	Telegraph services	47. 10.
	R. Ashtenhagen Postal Telegraph Cable Co Ocean Tow-Boat Line The Kelley Island and Sandusky Cable Co. The Central District and Printing Tele-	Laying carpet Telegraph servicesdo	10
	The Kelley Island and Sandusky Cable Co.	do	9.
	The Central District and Printing Tele-	do	14.
	graph Co. Pacific States Telephone and Telegraph Co.		e
			6. 52.
	Louis Rwy Co	1 assenger transportation	0/-
	Standard Gas and Electric Co	Gas	16
	Riley J. McMaster	Storm-warning displayman	15
	Louis Rwy. Co. Standard Gas and Electric Co. Standard Gas and Electric Co. Chas. C. Armour	Storm-warning displayman Services Electric light	15 5 9
	Annapolis Gas and Electric Light Co Charleston Consolidated Railway, Gas, and	Electric lightdo	8.
	Electric Co.		0.
	Georgetown Electric Co	do	8
	O. D. Thompson	Services	8 5
	Electric Co. Georgetown Electric Co O. D. Thompson R. M. Hull Lincoln Traction Co.	Repairing typewriter	13
	Lincoln Traction Co	Electric current	13 5.
	Honeyman Hardware Co	Services Repairing typewriter Electric current Pulley and tackle Printing	5. A
	Arizona Publishing CoBoard of Public Works, Sault Ste. Marie,	Water	4 3
	Mich.		
	Fowler Manufacturing Co. (Limited)	Towels, etc	3.
	F. S. Cox Consumers' Ice Co	Electric supplies	4

ate.	Name.	Nature of payment.	Total.
03.			
or. 14	J.J. Kelliher	Traveling expenses	\$2.0 7.0
	L. A. Denson	do	7.0
	J. J. Kelliher L. A. Denson J. B. Marbury J. N. Ryker F. H. Brandenburg L. N. Jesunofsky I. M. Cline G. W. Felger F. W. Conrad G. N. Wilson J. W. Byram O. L. Fassig C. F. von Herrmann	dodo	4. 8
	F H Brandenburg	Express, etc	2.0
	L. N. Jesunofsky	Dravage	2.0
	I. M. Cline	Express, etc	4.8
	G.W.Felger	Drayage Express, etc Drayage	
	F. W. Conrad		a z
	G. N. Wilson	Drayagedo	7.
	O. L. Fassig	Office expenses	6.8
	C. F. von Herrmann	Express, etc Office rent	24.
	C.F. von Herrmann Mill Valley and Mount Tamalpais Scenic Rwy.	Office rent	105.0
	do	Services	15.0 150.0 118.7 78.5
	J. K. Porter	Services Office rent	150.0
	J. L. Connell	do	118.
	City of Palestine, Tex	do	191
	D. L. Ruhne et al	do	131.5 92.5 99.0
	Bank of Tehama County	do	99.
	Wm. Curry's Sons	do	24.
	Adam Geiger	do	60,
	do J. K. Porter J. L. Connell City of Palestine, Tex Citizens' Bank of Norfolk, Va D. L. Buhne et al Bank of Tehama County Wm. Curry's Sons Adam Geiger J. E. Rankin, guardian Coche heirs Cramer & Goff Jos Fredericks & Co. (Incorporated) B. S. Williams	Doubitions	96.
	Jos Fredericks & Co (Incorporated)	Carnet etc	79. 261.
	B. S. Williams	Rent	73.
	Indianapolis Gas Co	do	256. 112.
	John Semer	do	112.
	Jos. Fredericks & Co. (Incorporated) B. S. Williams Indianapolis Gas Co. John Semer J. R. Hunter, agent E. D. Osborn Hoke Engraving Plate Co. do. Rocky Mountain Bell Telephone Co. Missouri and Kansas Telephone Co. Southern Bell Telephone and Telegraph Co.	do	279.
	Hoke Engraving Plate Co	Recoating base plates	125. 162.
	do	do	15.
	Rocky Mountain Bell Telephone Co	Telephone services	11.
	Missouri and Kansas Telephone Co	do	6. 15.
	Southern Bell Telephone and Telegraph	do	15.
	New England Telephone and Telegraph	do	16.
	Bell Telephone Co. of Buffalo	do	15.
	Columbia Telephone Co	do	7. 13.
	Co. Bell Telephone Co. of Buffalo. Columbia Telephone Co The Colorado Telephone Co Postal Telegraph Cable Co do Southern Bell Telephone and Telegraph Co- E. V. Hauser	Tolograph couriess	13.
	do	do	452. 36.
18	Southern Bell Telephone and Telegraph Co.	Telephone services	21.
	E.V. Hauser The City and Suburban Telegraph Asso-	đo	21.
			21.
	Cation.  New York and Pennsylvania Telephone and Telegraph Co. Raynor Ness Statesman Printing Co A. L. Whitaker C. B. Little New Orleans and Campilton Pailward	do	7.
	Raynor Ness	Services.	10.
	Statesman Printing Co	Printing	16.
	C B Little	Water	76. 7. 11.
	The Officials and Carronton Manifold,	Electric light	6.
	Light and Power Co.  Max Levy.  The Citizens' Gas and Electric Co.  A. A. Finck.  Milner & Ebert  Clem Jaycocks.  American Linen Supply Co.  J. E. Pleasants.  Edison Sault Electric Co.  New Orleans Lighting Co. lessee  Municipal Electric Light Plant  E. S. Allen	Electric power	30.
	The Citizens' Gas and Electric Co	Electric power Electric light	3.
	A. A. Finek	Printing Kerosene oil	6.
	Milner & Ebert	Kerosene oil	5. 9.
	American Linen Supply Co	Ice Towels	2
	J. E. Pleasants	Book binding	ð. 7
	Edison Sault Electric Co-	Book binding Electric light	11.
	New Orleans Lighting Co., lessee	Gas	13.
	Municipal Electric Light Plant	Electric meter Telephone services	7. 11. 13. 11.
	E. S. Allen	Floatrie light	
	Green Bay Light and Power Co.  The American Toilet Supply Co. Capital Electric Engineering Co. W. S. Bowe	Electric light Towels, etc	6. 2.
	Capital Electric Engineering Co	Services	4.
	W.S. Rowe	Services Telephone services Smoke pipe Towels	3.
	Chippewa Hardware Co	Smoke pipe	1.
	M. T. Hayden	Towels	3.
	Capital Electric Engineering Co. W. S. Rowe Chippewa Hardware Co. M. T. Hayden Dora Moyen G. Forsberg E. A. Hughes J. E. Garrett	do Printing Electric light Towels do Gas	6.
	E. A. Hughes	Electric light	3. 9.
	J. E. Garrett Omaha Towel Co Buffalo Gas Co	Towels	ð.
	J.E. Garrett		3.

 $Expenditures\ of\ Department\ of\ Agriculture\ for\ year\ ending\ June\ 30,1903-{\bf Cont'd.}$ 

Date.	Name.	Nature of payment.	Total.
1903.			
pr. 18	Indianapolis Light and Power Co	Electric power	\$18. 1.
	Indianapolis Light and Power Co	Towels Telephone services	1. 6.
	phone Co.	m.i.	
	The Louisville Home Telephone Co	Telegraphing Telephone services	2. 12.
	Galveston Gas Co	Gas	10.
	Campbell & Gilbert	Gas. Services Washing towels	2. 2.
	Kentucky Steam Laundry	dodo	1.
	J. F. Beck	do	3. 2.
	Mary Fantlerov	do	2. 1.
	Alabama, Mississippi and Tennessee Telephone Co. Rising Sun Telegraph Line. The Louisville Home Telephone Co. Galveston Gas Co. Campbell & Gilbert. A. Klein. Kentucky Steam Laundry. J. F. Beck Baltimore Towel Supply Co. Mary Fantleroy New York, New Havenand Hartford R. R. Co.	Passenger transportation	18.
	Co. L. Wilson	Washing towels	1.
	L. Wilson Illinois Central R. R. Co	Freightage	1.
	Baltimore, substations	Pay roll.	1. 90.
	R. W. Clement	Pay roll	10. 749.
	Louisville, substations	do	61.
	Galveston, substations	Couries	47. 9.
	New York, New Haven and Hartford R. R. Co. L. Wilson Illinois Central R. R. Co Baltimore, substations R. W. Clement Boston, substations Louisville, substations Galveston, substations L. A. Chidester H. Hamilton T. A. Boon M. A. Webster J. E. Harris, jr S. W. Lightner J. A. Venable Comrad Schmidt Mobile, substations New Orleans, substations Portland, Oreg., substations Portland, Oreg., substations Rayannah, substations N. W. Wagner Cincinnati, substations N. W. Wagner Cincinnati, substations O. P. Searle J. E. Cotter Harrisburg, substations Charleston, substations Charleston, substations C. A. Blumner Cairo, substations A. G. Wiley Portland, Oreg., substations C. A. Blumner Cairo, substations C. A. Blumner Cairo, substations C. P. Blachley Galveston, substations A. G. Wiley Portland, Oreg., substations C. P. Blachley Galveston, substations A. G. Wiley Portland, Oreg., substations C. P. Blachley Galveston, substations Paul De Graw J. B. Marburydo C. W. Glenn J. M. Sherier L. M. Tarr E. H. Emery A. E. Hackett	do	15.
	T. A. Boon	do	30. 15.
	M.A. Webster	do	15. 16.
	S. W. Lightner	do	30.
	J. A. Venable	do	15
	Conrad Schmidt	Pay roll	6. 72.
	New Orleans, substations	dodo	84 80
	Portland, Oreg., substations	do	80.
	C P Disney	Services	61
	Montgomery, substations	Pay roll	140. 57.
	Augusta, substations	do	57. 21.
	Cincinnati, substations	Pay roll	206
	John Hyslop	Services	206. 30.
	J. F. Cotter	do	30. 15.
	Harrisburg, substations	Pay roll	138.
	Charleston, substations	do	83. 30.
	Wilmington substations	do	72
	New Orleans, substations	do	72 105
	Philadelphia, substations	Sorvious	69 15
	Cairo, substations	Pay roll	150
	A.G. Wiley	Services	130
	C P Blachley	Pay roll	150
	Galveston, substations	Pay roll	9.
	Paul De Graw	Traveling expenses	38.
	J.B. Marbury	do	3
	S. W. Glenn	do	3
	J. M. Sherier	Street-car fare	12 15 24
	L. M. Tarr E. H. Emery A. E. Hackett	Station expenses	24
	A. E. Hackett	do	5
	C. E. Johnson W. G. Burns	Drayage	4
	J. Roberts	Services Pay roll. Services Pay roll. Traveling expenses Station expensesdododo Street-car fare Drayage Station expensesdo Drayagedo Drayagedo Traveling expensesdo	3.
	A.J. Mitchell	do	11. 16
	C.E. Johnson W. G. Burns J. Roberts. A. J. Mitchell J. F. Atherton E. A. Evans L. Lodholz L. H. Daingerfield J. H. Kimball J. R. Williams F. H. Clarke H. B. Boyer O. Adams, jr First National Bank of Moorhead, Minn M. W. Cunningham Dyal Upchurch Investment Co The Hayden Co.  Estate of S. Marks & Co	do	16. 25.
	L. Lodholz	do	26
	L. H. Daingerneld	Subsistence	1 31
	J. R. Williams	Express	3 1
	F. H. Clarke	Drayage	1
	O. Adams, ir	Office rent	120
	First National Bank of Moorhead, Minn	do	66.
	M. W. Cunningham  Dyal Trachwich Investment Co	do	54. 187.
	Dyar Openarch investment of		300.

	Name.	Nature of payment.	Total.
3.		N N	
18	Joseph Bryan Walter Talbot J. L. Smith J. E. Dooley G. W. O'Brien Fayette Home Telephone Co Lowa Telephone Co East Tennessee Telephone Co Asheville Telephone Co The Southwestern Telegraph and Telephone Co.	Office rent	\$150.
	Walter Talbot	do	120. 30.
	J E Dooley	do	150.
	G. W. O'Brien	do	18. 4.
	Fayette Home Telephone Co	Telephone services	4.
	Iowa Telephone Co	do	15.
	East Tennessee Telephone Co	do	9. 6.
	The Southwestern Telegraph and Tele-	do	12.
	phone Co.		
	The Cleveland Telephone Co	do	30
	The Gordon Telephone Co	do	9.
	Wisconsin Telephone Co	do	5.
	Zenith City Telephone Co	do	7.
	phone Co. The Cleveland Telephone Co The Gordon Telephone Co. Consolidated Telephone Co. Wisconsin Telephone Co. Zenith City Telephone Co. The Bell Telephone Co. of Missouri New Telephone Co. Southern Bell Telephone and Telegraph Co.	do	12. 7. 22.
	New Telephone Co	do	10.
	Southern Bell Telephone and Telegraph	do	18.
	Co. Nabraska Telaphona Co	do	22.
	Nebraska Telephone Co New England Telephone and Telegraph	do	8.
	Missouri and Kansas Telephone Co	do	30.
	The Columbus Citizens' Telephone Co	do	10.
	The Colorado Telephone Co	do	12. 28.
	Missouri and Kansas Telephone Co	do	15.
	Delaware and Atlantic Telephone and	do	12.
	Telegraph Co.		01
	Mutual Talanhana Co.	do	21.
	Missouri and Kansas Telephone Co	do	11.
	Cumberland Telephone and Telegraph Co.	do	9. 12. 10.
	Rocky Mountain Bell Telephone Co	do	10.
	J.S. Pinney	Services	8.
	T.M. Daggall	Eal	8. 7. 32.
	St Louis Toilet Supply Co	Washing towels	4.
1	Electric Lighting Co. of Mobile, Ala	Electric light	î.
	Delaware and Atlantic Telephone and Telegraph Co. Black Hills Telegraph and Telephone Co. Mutual Telephone Co. Missouri and Kansas Telephone Co. Cumberland Telephone and Telegraph Co. Rocky Mountain Bell Telephone Co. J. S. Pinneydo J. M. Russell St. Louis Toilet Supply Co. Electric Lighting Co. of Mobile Ala Pacific States Telephone and Telegraph Co.	Telephone services	1. 25.
	do Columbia Telephone Co Sunset Telephone and Telegraph Co The Empire State Telephone and Telegraph Co	do	35.
	Columbia Telephone Co	do	6.
	Sunset Telephone and Telegraph Co	do	6. 6. 7.
	graph Co.	ao	7.
	Cumberland Telephone and Telegraph Co.	do	29.
	Southern States Telephone Co	do	9.
	Interstate Telephone and Telegraph Co	do	9. 4.
	Cumberland Telephone and Telegraph Co- Southern States Telephone Co- Interstate Telephone and Telegraph Co- Southern Bell Telephone and Telegraph	do	8.
	Pacific States Telephone and Telegraph	do	18.
	Co. Southern Bell Telephone and Telegraph	do	4.
	Co. Pacific States Telephone and Telegraph	do	30.
	Co.	i i	
	Sunset Telephone and Telegraph Co Southern Bell Telephone and Telegraph	do	15. 12.
	Co		1.0
	Support Telephone and Telegraph Co.	do	16.
	Cumberland Telephone and Telegraph Co	do	6. 10.
	Cumberland Telephone and Telegraph Co- Sunset Telephone and Telegraph Co- Cumberland Telephone and Telegraph Co- The Southwestern Telegraph and Tele- phone Co	do	13.
	Northwestern Telephone Exchange Co	do	12.
	East Tennessee Telephone Co	do	12. 12.
	phone Co. Northwestern Telephone Exchange Co. East Tennessee Telephone Co. New England Telephone and Telegraph	do	29.
	Southwestern Telegraph and Telephone		9.
	Co.	do	per
	Co. New York and Pennsylvania Telephone and Telegraph Co. Williston Telephone Exchange Ontario Telephone Co Southern Bell Telephone and Telegraph Co.	do	7. 12.
	and Telegraph Co.		
	Williston Telephone Exchange	do	6.
	Ontario Telephone Co	do	15. 15.
	Conthony Dall Malont		

# $Expenditures of \, Department \, of \, Agriculture \, for \, \underline{year} \, ending \, June \, 30, 1903 - \textbf{Cont'd.}$

Date.	Name.	Nature of payment.	Total.
1903.			
Apr. 18	Central District and Printing Telegraph Co.	Telephone services	\$35.75
	CO. Duluth Van and Storage Co Cape May Light and Power Co Eugene Shepardson R. G. Sleater H. B. Hartman Louis Hendricks John Carter & Co Brady & Walters	Drayage Electric light Washing towels Printing	1.00
	Eugene Shepardson	Washing towels	6.05 3.00
	R. G. Sleater	Printing	24.00
	H. B. Hartman	Water Services Drawing paper	3.00 5.00
	John Carter & Co	Drawing paper	44.85
	Brady & Walters	Shelving	20.00
	J. C. Covert	Photographs	8.50 5.00
	Brady & Walters B. M. Lee J. C. Covert L. Rogers	Shelving Bench mark Photographs Services	30.00
			4.00 4.00
	A. J. Stowe D. W. King H. E. Wadsworth United Electric Light and Power Co	Spikes Washing towels Telegraph services Electric light	1.50
	H. E. Wadsworth	Telegraph services	70.40
21	Charles Baldwin	Office rent	10.31 $112.50$
	Charles Baldwin N.C. Reynick	Printing annual summary	46.00
	Amarillo Light and Water Co	Water supply	3.00
	Astoria Electric Co The Pacific Transfer Co Arizona Publishing Co	Drayage	2.67 26.50
	Arizona Publishing Co	Water supply Electric light Drayage Printing climate and crop bul-	66.00
	The Baleigh Electric Co	ieums.	4.71
	The Raleigh Electric Co Dobbin & Ferrall	Electric power Linoleum	51.00
	Stone & Barringer	Chart frames	5.30 4.00
	H. Brooker & Co Fall River Electric Light Co	Chart frames Kerosene oil Electric light	14.80
	J. G. Flook The S. A. Bristol Co	Form case	25.00
	Henry Horster	Form case Binding bulletins Cleaning carpet	23.00 8.50
	Henry Horster The General Cartage and Storage Co Wild & Stevens	Drayage	5.00
	Wild & Stevens	Printing supplies	2.55 16.36
	Rockingham County Light and Power Co- F. D. Day & Co New London Gas and Electric Co-	Repairing clock	2.00
	New London Gas and Electric Co	Drayage Printing supplies Electric light Repairing clock Electric light Gas	27.80
	Nashville Gas Co New Bedford Gas and Edison Light Co	Gas Electric light	9.10 29.84
	Marblehead Municipal Light Department.	do	14 25
	Chas. A. Drach Electrotype Co	Stereotype blocks	. 80 50.00
	M. G. Markell Consolidated Gas Co	Gas	.55
	E. E. Jones	Running levels	.55 13,00 16,25
	Baumgardt Publishing Co	Printing climate and crop bulletins.	10.20
	J. F. Leland	Painting instrument shelter	10.00
	Arizona Laundry Co	Washing towels	50.00
	Dunn & Lemmon Phoenix Light and Fuel Co- Southern Bell Telephone and Telegraph	Printing annual summary Electric light Telephone services	8.86
	Southern Bell Telephone and Telegraph	Telephone services	9.00
	Co. The Northern Telephone Exchange Co	do	18.00
	Michigan Telephone Co	do	6.00 2.50 41.35
	Chicago and Northwestern Rwy Co	Passenger transportation	2.50 41.35
	Michigan Telephone Co.  Morgan City Improvement Co.  Chicago and Northwestern Rwy. Co.  The Wabash R. R. Co.  Texas Pacific Rwy. Co.	do	25.55
	Texas Pacific Rwy. Co	do	$24.55 \\ 18.55$
	Yazoo and Mississippi Valley R. R. Co	do	17.85
	Southern Rwy. Co Baltimore and Ohio R. R.	do	27.40
	City Ice Delivery Co	Ice	23.00 4.40
	City Ice Delivery Co Jos. Fredericks & Co. (Incorporated)	T 3 2 44 3 131	36.00
	J. Richard Barber & Ross	Barometers, etc	178.14
	do		178. 14 27. 60 7. 00
			5.40
	do American Writing Machine Co The Maurice Joyce Engraving Co Clark & Davenportdo Fred A. Schmidt Herman Baumgarten. R. P. Clarke Co.	Photo-engraving plates	72.25 16.65
	Clark & Davenport	Carpet	42,63
	The d A Colomida	Bonoils and tinfoil	65. 97 1. 30
	Herman Baumgarten	Rubber stamps	2.51
	R. P. Clarke Co Dulin & Martin Co	do Pencils and tinfoil Rubber stamps Flannel Jar	34.50
	Dulin & Martin Co	Jar Dishes	$\begin{array}{c} 2.75 \\ 1.46 \end{array}$
	Z. D. Gilman Neely Electric Construction Supply Co Woodward & Lothrop	Insulators	13.12
			22, 99

te.	Name.	Nature of payment.	Total.
3.			
21	Memphis, substations Atlanta, substations Jacksonville, substations Atlanta, substations La Crosse, substations Pittsburg, substations Shreveport, substations Raleigh, substations Raleigh, substations J. U. Haley John Forster A. C. McCleary	Pay roll	\$62.0 37.0
	Atlanta, substations	do	37.0
	Jacksonville, substations	do	75.0
	Atlanta, substations	do	96.2
	La Crosse, substations	do	74.0 433.5
	Sheavaport substations	do	38.4
	Raleigh substations	do	99.0
	Parkersburg, substations	do	82.0
	J. U. Halev	Services	12.0 12.0
	John Forster	do	12.0
	A. C. McCleary F. P. Chaffee H. W. Grasse E. A. Beals S. S. Bassler W. C. McGuiness L. M. Pindell M. P. Sanford	do	12.0
	F. P. Chaffee	Drayage	3.7
	H. W. Grasse	Station expenses	4.2
	E. A. Beals	Drayage, etc	6.0
	W. C. McGuinose	Drayage	2.7 1.0
	I. M Pindell	do	1.9
	M. R. Sanford	do	1.0
	U.G. Purssell	-do	2.1
	W. T. Blythe	Drayage,etc	2. 1 35. 9
	H. A. Poole	Horse hire	5. 0
	J. N. Thompson	Repairing telegraph line	3, 0
	M. R. Sanford U. G. Purssell W. T. Blythe H. A. Poole J. N. Thompson L. P. Parker C. Williams Western Union Telegraph Co Henry Bolton People's Telephone and Telegraph Co East Tennessee Telephone Co Southern Bell Telephone and Telegraph Co.	do	2.0
	C. Williams	do	4.0
	Western Union Telegraph Co	do	5.4
	Henry Bolton	Office Pent	52.8 7.5
	Foot Toppesson Telephone Co	Telephone services	1.6
	Southern Rell Telephone and Telegraph	do	9.0 15.0
	Co.		10.0
	Central Union Telephone Co	do	10.5
	Michigan Telephone Co	do	3. (
	New England Telephone and Telegraph	do	14. 2
	Co		
	The Southwestern Telegraph and Tele-	do	21.0
	phone Co.		
	Northwestern Telephone Exchange Co	do	21.0
	Rocky Mountain Bell Telephone Co	do	24.0
	Wisconsin Telephone Co.	00	21. 4 4. 7
	Jowa Telephone Co	do	30.0
	Courier Journal Job Printing Co	Printing annual summary	90.0
	Naegele & Co	Printing bulletins	21.0
	The Garrett Printing Co.	do	55. 2
	Minneapolis General Electric Co	Electric current	15.0
	phone Co. Northwestern Telephone Exchange Co Rocky Mountain Bell Telephone Co. Wisconsin Telephone Co. Sunset Telephone and Telegraph Co. Iowa Telephone Co. Courier Journal Job Printing Co. Naegele & Co The Garrett Printing Co. Minneapolis General Electric Co. The Milwaukee Electric Railway and Light Co.	do	2.8
	Jacksonville Towel Co	Washing towels	3.0
	H. McP. Baldwin	Traveling expenses	8.
	The Misseyri Pacific Prov. Co.	Passangan tuansnautation	9. 50.
	Ruffington & Co	Passenger transportation Recoating ink rollers	
	The S B Hubbard Co	Renairing rain gauge	3.
	W. D. Twitchell	Repairing rain gauge	5.
	Jacksonville Towel Co H. McP. Baldwin T. F. Townsend The Missouri Pacific Rwy. Co Buffington & Co. The S. B. Hubbard Co. W. D. Twitchell F. N. Rounsville Gamble & Ludwig M. L. Cohen R. H. Vorpahl W. A. Moore Maverick Clark Lithographing Co.	Repairing rain gauge	5,
	Gamble & Ludwig	Repairing rain gauge	
	M. L. Cohen	Repairing thermograph Recasting rollers	3.
	R.H. Vorpahl	Recasting rollers	3.
	W. A. Moore	Ink and mucilage	5.
	Maverick Clark Lithographing Co American Type Founders Co	Ink	1. 3
	American Type Founders Co	Brush, etc	1.0
	T.J. Nolan	Awnings	9.0
	Western Union Telegraph Co	Telegraph services	15,578.
	do	do	22.8 7.8
	Alabama and Vicksburg Rwy Co	Freight charges	6. 2
	The Colorado and Southern Rwy. Co	do	1.
	Pennsylvania R. R. Co	do	0 1
	Burlington Route, Missouri lines	do	1.0
	Toledo and Ohio Central Rwy. Co.	do	. 6
	Sierra Rwy. Co. of California	do	. 2
30	Chicago and Alton Rwy. Co	do	
	do	do	1,8
	Maverick Clark Lithographing Co American Type Founders Co. T. J. Nolan Western Union Telegraph Co Home Telephone Co. do Alabama and Vicksburg Rwy. Co. The Colorado and Southern Rwy. Co. Pennsylvania R. R. Co Burlington Route, Missouri lines. Toledo and Ohio Centrál Rwy. Co. Sierra Rwy. Co. of California Chicago and Alton Rwy. Co. do Chicago, Peoria and St. Louis Rwy. Co. of Illinois.	do	1.
	Illinois.	2	
	Nashvine, Chartanooga and St. Louis	00	.7
	Rwy. Co. New York, New Haven and Hartford R.R.	do	. 4
		1UO	

## Expenditures of Department of Agriculture for year ending June 30, 1903—Cont'd. GENERAL EXPENSES, WEATHER BUREAU-Continued

Date.	Name.	Nature of payment.	Total.
1903.	, Union Deside D. D. Ce		**
Apr. 30	Union Pacific R.R.Co Norfolk and Washington Steamboat Co	freight charges	\$2. 2. 2.
	dodo	do	2.
	Rome, Watertown and Ogdensburg R. R.	do	
	Co.		
	St. Louis and San Francisco R. R. Co	do	2. 3.
	St. Louis Transfer Co	do	o.
	St. Louis Transfer Co. Wabash R. R. Co. Baltimore and Ohio Southwestern R. R. Co. Boston and Albany R. R. Co. Chesapeake and Ohio Rwy. Co. Chicago and Northwestern Rwy. Co. Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co. Detroit and Mackinac Rwy. Co. Great Northern Rwy. Co. do. do.	do	3.
	Baltimore and Ohio Southwestern R. R. Co	do	3.
	Boston and Albany R. R. Co	do	۴.
	Chicago and Northwestern Rwy Co	do	5. ·
	Cleveland, Cincinnati, Chicago and St.	do	:
	Louis Rwy. Co.		
	Detroit and Mackinac Rwy. Co	do	4. 22.
	Great Northern Rwy. Co	do	22.
	do	do	4. 3.
	Louisville and Nashville R. R. Co	do	ο.
	do The Atchison, Topeka and Santa Fe Rwy.	do	9. 74.
	The Atchison, Topeka and Santa Fe Rwy.	do	74
	The Denver and Rio Grande R. R. Co James Hunter International and Great Northern R.R.	do	16.
	International and Great Northern R R	do	6.
	do Lakeside and Marblehead R. R. Manistique Rwy. Co Missouri Pacific Rwy. Co New York Central and Hudson River R. R.	do	$\begin{array}{c} 1\\1\\2\\1\end{array}$
	Lakeside and Marblehead R. R.	do	1
	Manistique Kwy. Co.	do	2
	New York Central and Hudson River R. R.	do	1
	Co.		
	Oregon Railroad and Navigation Co	do	13
	Pere Marquette R. R. Co	do	1
	Western Rwy, of Alabama	do	2
	do	do	1
	do	do	1
	do	do	1
	Co. Oregon Railroad and Navigation Co. Pere Marquette R. R. Co. Western Rwy. of Alabama Pennsylvania R. R. Co. do. do. do. Southern Rwy Co. do Star Union Line West Virginia Central and Pittsburg Rwy. Co.	do	1
	Southern Rwy Co	do	$\frac{1}{1}$
	Star Union Line	do	1
	West Virginia Central and Pittsburg Rwy.	do	1
	W. F. R. Phillips et al.	Pay roll (climatology)	481
	Jno. P. Church et al A. F. Jors	Pay roll (printing office) Erecting stairway	2,927 $198$
ay 5	National Electrical Supply Co	Incandescent lamps	3
	ldo	Repairing resistance box	. 3
	Hugh Reilly	Turpentine	24
	Tohn Donkon	Shellac	$\frac{1}{248}$
	John Parkerdo		42
	do	Iron dampening bowls	4
	do	Map paper	811
	Woodward & Lothrop	Desk	17
	do	Millinet	$\frac{1}{20}$
	M. Du Perow The J. C. Ergood Co	Cords, mica, etc	1
	Mackall Bros	Soap Nitric acid, etc	2
	Mackall Bros E. Morrison Paper Co.	Paper	20
	C. L. Wilkinson	Tallow	10
	Library Bureau Thos. Somerville & Sons		8
	R. C. Ballantyne	Paper	14
	J. Baumgarten & Sons	Repairing numbering machines	4
	R. P. Andrews & Co. (Incorporated)	Lead pencils	33
	Western Union Telegraph Co	Telegraph services	93
	Cumperland Telephone and Telegraph Co.	do	153 29
	East Tennessee Telephone Co	do	29 23
	Moncure and Pittsboro Telephone Co	do	4
	The Tyrrell County Telephone Co	do	4.7
	Thos. Somerville & Sons. R. C. Ballantyne J. Baumgarten & Sons. R. P. Andrews & Co. (Incorporated) Western Union Telegraph Co. Cumberland Telephone and Telegraph Co. Rocky Mountain Bell Telephone Co. East Tennessee Telephone Co. Moncure and Pittsboro Telephone Co. The Tyrrell County Telephone Co. Dakota Central Telephone Lines (Incorporated)	do	112.
	porated). Winton Telegraph Co	a.	Pr.
	Winton Telegraph Co. Iowa Telephone Co. Cumberland Telephone and Telegraph Co.	do	7.

	Name.	Nature of payment.	Tota
5	Chesapeake and Potomac Telephone Co New England Telephone and Telegraph Co Home Telephone Co Great Northwestern Telegraph Co. of	Telegraph services	8
	New England Telephone and Telegraph Co	do	
	Guest Nouthwestern Telegraph Co. of		12
	Canada.		1,5
	Canada.  Knox Telephone and Telegraph Co Corvallis and Eastern R. R. Co New England Telephone and Telegraph Co. Chicago, Burlington and Quincy R. R. Co. International Ocean Telegraph Co The Central District and Printing Telegraph Co.	do	
	Corvallis and Eastern R. R. Co	do	
	New England Telephone and Telegraph Co	do	
	Chicago, Burlington and Quincy R. R. Co	do	20
	International Ocean Telegraph Co	do	20
	graph Co.	do	1
	Pacific States Telephone and Telegraph Co.	do	1
	Georgia Telephone and Telegraph Co	Telephone services	
	do	do	1
	Cumberland Telephone and Telegraph Co.	do	1
	Capital Telephone and Telegraph Co	do	1
	Michigan Telephone Co.	do	1
	Union Trust Co. Detroit receiver of	do	
	Michigan Telephone Co		
	graph Co. Pacific States Telephone and Telegraph Co. Georgia Telephone and Telegraph Co. do Cumberland Telephone and Telegraph Co. Capital Telephone and Telegraph Co. Michigan Telephone Co. Rocky Mountain Bell Telephone Co. Union Trust Co., Detroit, receiver of Michigan Telephone Co. Cumberland Telephone and Telegraph Co. Michigan Telephone and Telegraph Co. Ado Cumberland Telephone and Telegraph Co. Amarillo Telephone Exchange Pacific States Telephone and Telegraph Co. Northwestern Telephone Exchange Co. B. C. Watkins Albany, substations Boston, substations Chattanooga, substations Fort Smith, substations Fort Smith, substations Nashville, substations Little Rock, substations Little Rock, substations Sioux City, substations Sioux City, substations Richmond, Me., substations Richmond, substations Richmond, substations J. W. Bauer B. B. Harkness T. S. Outram E. C. Vose B. G. Allen	do	
	Cumberland Telephone and Telegraph Co.	do	
	Amarillo Telephone Exchange	do	
	Pacific States Telephone and Telegraph Co.	do	1
	Northwestern Telephone Exchange Co	Convioss	a
	Albany substations	Pay roll	2 8
	Boston substations	do	8 28
	Chattanooga, substations	do	14
	Fort Smith, substations	do	3
	Nashville, substations.	do	8
	Augusta, substations	do	0
	Portland Mo substations	do	6
	Sioux City, substations	do	3
	Knoxville. substations	do	12
	Richmond, substations	do:	1
	J. W. Bauer	Drayage and washing towels	
	R. B. Harkness	Repairing thermograph clock	
	F. C. Vose	Station expenses	
	B. G. Allen	Dravage	1
- 1	J. L. Bartlett	Station expenses	1
	T.F. Townsend	Traveling expenses	1
	N. M. Cunningham	do	1
	E. A. Beals	do	2
	G W Folger	do	1
	H. B. Hersey	do	1
	Marquette County Savings Bank.	Office rent	1 9
	Union Trust Building Co	do	16
	J. W. Bauer R. B. Harkness T. S. Outram E. C. Vose R. G. Allen J. L. Bartlett T. F. Townsend N. M. Cunningham E. A. Beals A. G. McAdie G. W. Felger H. B. Hersey Marquette County Savings Bank Union Trust Building Co E. Harding First National Bank M. E. Shelden Escanaba Municipal Lighting Plants Pittsburg and Lake Evie R. R. Co Mobile and Ohio R. R. Co The S. A. Bristol Co American Writing Machine Co. The Webb C. Ball Watch Co George Kemp Needham Bros Lowman & Hanford Stationery and Print-	do	8
	M F Shelden	do	12
	Escanaba Municipal Lighting Plants	Electric lights	12 9
	Pittsburg and Lake Erie R. R. Co	Passenger transportation	
	Mobile and Ohio R. R. Co	do	1 1
	The S. A. Bristol Co	Printing bulletins	1
	American Writing Machine Co	Repairing typewriter	1
	Cooper Komp	Repairing parograph clock	
	Needham Bros	Washing towels	
	Needham Bros Lowman & Hanford Stationery and Print-	Washing towels Ink and mucilage	
	Geary Bros	Drayage	
	Geary Bros The Union Ice Co H. J. Bool	Ice	
	H.J. B001	Parts for addressograph	9
	Geo Tunes & Co	Erecting instruments	3
	Wm. Anderson	Repairs in office	1
	Davis & Kirman	Ink	
	Pelouze Paper and Type Co	Printing materials	
	H. J. Bool J. A. Bailey Geo. Innes & Co. Wm. Anderson Davis & Kirman Pelouze Paper and Type Co. W. A. McKenzie Philip Bryan Stearns Light and Power Co. J. J. Davis Eimer & Amend F. J. Steinmetz.	Awnings Electric-light fixture	1
	Philip Bryan	Electric-light fixture	0
	I I Dorie	Wiring tower Repairing furniture Acid	3
	Eimer & Amend	Acid	1
		Oil and benzine	

Date.	Name.	Nature of payment.	Total.
1903.	The Friedenwald Co. G. W. Taylor & Co. S. H. Quint & Sons. E. O. Zadek W. P. Smith C. S. Clinton E. E. Garrett Texas and Pacific Rwy. Co. Erie and Western Transportation Co. Central Vermont Rwy. Co. A. Zappone. Geo. Hass Hagen W. M. Wilson F. R. Roers O. W. Roberts. G. E. Franklin Frank Ridgway		
May 5	The Friedenwald Co	Forecast cards	\$60.80
	G. W. Taylor & Co	Coal	5.6
	S. H. Quint & Sons	Stencils	5.0
	E. O. Zadek	Repairing clock	2, 50 3, 50
	W.P.Smith	Paraining the amount shall	ე. ე
	E E Garrett	Oil and brooms	1, 2 2, 5
	Texas and Pacific Rwy Co	Freight charges	3.9
	Erie and Western Transportation Co	- do	3.2 .5
	Central Vermont Rwy. Co	do	. 5
7	A. Zappone	Traveling expenses	6.3 11.0
	Geo. Hass Hagen	do	11.0
	W. M. Wilson	do	28. 7 10. 7
	F. R. Koers	Services	10.7
	C. F. Fuenklin	do Services Station expenses do Subsistence Telephone services do	$\frac{4.5}{10.5}$
	Frank Ridoway	Subsistance	38.6
	Frank Ridgway East Tennessee Telephone Co Cumberland Telephone and Telegraph Co	Telephone services	10.1
	Cumberland Telephone and Telegraph Co	do	11.0
	dodo	do	48.0
	East Tennessee Telephone Co	do	14.6
	Miami Telephone Co	do	3.0
		do	9. 3
	Dunn & Lemmon J. A. Roebling's Sons Co. do. W. H. Kistler	Printing bulletins Steel wire Telegraph wire Railroad map Shooflys	16.0
	J. A. Roebling's Sons Co.	Steel Wire	13.8
	W H Vistler	Pailwood man	18, 8 1, 7
		Shooflys	6.0
	ing Co		0.0
	The Smith Premier Typewriter Co	Repairing typewriter	11.0
	A. Fairservice & Co	Nails	4.0
	Campoen Friffing Fress and Mandacturing Co.  The Smith Premier Typewriter Co	Repairing typewriter Nails Stereotype metal. Repairing typewriter	3.5
	E. H. Bochner	Repairing typewriter	1.0
	L. A. Midgett	Wood Recasting rollers	20.0
	L. F. Willoughby	Recasting rollers	3.4
	E. H. Bochner L. A. Midgett L. F. Willoughby F. M. McKeough Julien P. Friez Queen & Co. (Incorporated) John C. Parker United States Express Co Woodward & Lothrop United States Envelope CodoLC. Entwistle	Handles for thermographs	3.0
12	Oneon & Co (Incorporated)	Handles for thermographs Anemometer Binders Express charges Station supplies Envelopes do	$\frac{2.1}{10.0}$
12	John C. Parker	Rinders	9. 2
	United States Express Co	Express charges	48.6
	Woodward & Lothrop	Station supplies	60.4
	United States Envelope Co	Envelopes	197. 6 20. 7
	do	do	20.7
	J. C. Entwistle Reich & Cowles	Engraving rain chart	7.5
	Reich & Cowles	Repairing instruments	28.0
	The M. Lindery Pubber Co.	Engraving rain chart Repairing instruments Telephone services Balloons and gum	16.56
	Houghton County Electric Light Co	Electric light	4.3
	G Deronen	Electric light Repairing instrument shelter Cleaning motor	5.0
	T. H. Smith	Cleaning motor	$5.0 \\ 2.5$
	Addressograph Co	Type	1.7
	C. A. Burton	Coal	103.3
	Columbia Liquid Air Co	Vacuum chamber, etc	103.3 178.3
	Wm. Nordhoff	Repairing clock	3.0
	The Wm. E. French Co	Rugs	21.0
	Patrick Claffey	Cleaning instrument snelter	2.5 3.0
	W. H. Upton	Wining instruments	0. U
	T. T. Pooks Electric Co	Piron stoff courses	$21.5 \\ 24.0$
	Reich & Cowles F. G. Blaisdell The M. Lindsay Rubber Co Houghton County Electric Light Co G. Deronen T. H. Smith Addressograph Co C. A. Burton Columbia Liquid Air Co Wm. Nordhoff The Wm. E. French Co Patrick Claffey W. H. Upton Barrett & Brooks Electric Co T. T. Beebe Robt, Tyler E. A. Barnes C. F. Horner	Rugs Repairing instrument shelter Cleaning instruments Wiring tower River staff gauges Printing bulletins Repairing instrument shelter Constructing walk Oil	10.0
	E A Barnes	Repairing instrument shelter	1.0
	C. F. Horner	Constructing walk	105.0
	E. A. Barnes C. F. Horner Standard Oil Co Stoll & Thayer Co American Type Founders Co do Barelli & Kittridge Joseph Ryan, 2d Maurice Joyce Engraving Co The Central Ohio Paper Co W. S. Jenks F. A. Schmidt A. F. Jorse Carey Machinery Co C. E. Johnson & Co Edward Mullin	Oil Addressograph, etc. Printing supplies	6.2
	Stoll & Thayer Co	Addressograph, etc	6. 2 94. 0
	American Type Founders Co	Printing supplies	7.4
	do	Type	7. 4 5. 8 3. 0
	Barelli & Kittridge	Repairing printing press. Placing river gauge Printing materials Paper Wire	3, 0
	Joseph Ryan, 2d	Placing river gauge	1.0
	The Control Obje Paren Co	Penor	62.2
	W. C. Longs	Wine	90. 0 3. 5
	W. S. Jenks	Massuring sticks	90.0
	A F Jorse	Measuring sticks Repairing building Tools Ink	25.0
	Caroy Machinery Co	Tools	13.4
	C. F. Johnson & Co.	Ink	13. 4 152. 5
	Edward Mullin	Rags	14.0
	Edward Mullin J. A. Roebling's Sons Co.  James B. Lambie Co.	Rags Copper wire Washers and screws	22.4
	James B. Lambie Co.	Washers and screws	22. 4 1. 1
	do	Sheet iron	1.6

e.	Name.	Nature of payment.	Total
3.			
12	James B. Lambie Co	Screws and steel	\$1.
	Dard alab Want 6 Ca	Coal scuttles	8. 12.
	do Rudolph. West & Co Wyckoff, Seamans & Benedict do	Screws and steel Coal scuttles Hatchets and staples Repairing typewriterdo PaperdoChairs Repairing typewriter Platen	19
	do	do do	13
	R. Carter Ballantyne	Paper	171
	R. P. Andrews & Co. (Incorporated)	do	171 180 11
	W. B. Moses & Sons	Chairs	11.
	American Writing Machine Co	Repairing typewriter	
	do	Platen	2.
	Flint & Walling Manufacturing Co	Pipe and clamps	13.
	R. Carter Balantyne R. P. Andrews & Co. (Incorporated) W. B. Moses & Sons American Writing Machine Co	Pipe and clamps Machine bolts Rubber stamps	13. 3. 2. 3.
	do	do	3
13	O. T. Moore	Services	1
	W. A. Wise	do	12
	San Francisco, substations	Pay roll	9.
	Vicksburg, substations	do	102
	Philadelphia, substations	do	14.
	St. Louis, substations	do	141. 35.
	New York, substations	do	30.
	do do	Omce rent	140 22
	Capital Ice Co	Tee	3
	Port Huron Light and Power Co	Electric light	ĭ
	Baumgardt Publishing Co	Printing bulletins.	13
	Boston and Maine R. R.	Passenger transportation	1
,	Atlantic Coast Line R. R.	do	1 18 21
	Choctaw, Oklahoma and Gulf R. R Co	do	21
	Chicago, Rock Island and Pacific R. R. Co	do	10
	Oregon Short Line R. R. Co	do	31
	Donrou and Pio Guando P. P. Co	do	9 59
	The Pennsylvania R P Co	do	45
	Cincinnati Hamilton and Dayton Rwy	do	9
	People's Telephone and Telegraph Co	Telephone services	
	Sunset Telephone and Telegraph Co	do	15
	Union Trust Co., Detroit	do	6
	Union Trust Co., Detroit Alabama and Georgia Long-Distance Tele-	do	6
	phone Co.	m 1 1 1	
	Elizabeth City and Norfolk Telegraph Co. Jacksonville and St. Johns Bar Telegraph Line.	Telegraph servicesdo	2
	Chicago Burlington and Quiney R R Co	do	2
	Chicago, Burlington and Quincy R. R. Co. Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co. Marthas Vineyard Telegraph Co. Chesterfield Telephone and Telegraph Co. C. F. Marvin A. H. Thiessen M. E. Blystone C. F. von Herrmann A. G. McAdie W. S. Belden F. Ridgway O. L. Fassig O. C. Burrows H. B. Hersey do L. H. Murdoch	do	15
	Marthas Vineyard Telegraph Co	do	29
	Chesterfield Telephone and Telegraph Co.	do	13
	C. F. Marvin	Traveling expenses	13
	A. H. Thiessen	00	13 5
	M. E. Blystone	do	18
	4 G Mc 4 dia	do	1.1
	W. S. Belden	do	14 26
	F. Ridgway	do	4
	O. L. Fassig	do	4 25
	O. C. Burrows	do	9
	H. B. Hersey	do	10
	T IT Monday	do	5
	do L. H. Murdoch E. T. Burns T. F. Townsend	00	5 37 3
	T F Townsend	do	9 2
	do	Muffin nans	~
	A. Brand	Station expenses	34
	do	Traveling expenses	6
	do	do	6.
	do S. W. Glenn	Station expenses	5.9
	S. W. Glenn	Traveling expenses	9.
	I H Vimball	Station expenses	20
	G. R. Obovholzov	Station expanses	30 3
	do J. H. Kimball G. R. Oberholzer J. P. Bolton	Station expenses Subsistence Station expenses Telephone services	15
	Peter Wood	Station expenses	2
	J. W. Schaeffer	do	4
	Peter Wood J. W. Schaeffer J. J. Kelliher	Station expensesdo	1.
			3.
	A. McC. Ashley E. H. Bowie Union Pacific R. R. Co	Telephone services Subsistence	45.
	E. H. Bowie	Drayage	13.
		Project abareas	3.

# $Expenditures of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30,1903-{\bf Cont'd}.$

ate.	Name.	Nature of payment.	Tota
903. y 13	Burlington and Missouri River R. R. in Nebraska.		\$1
	do	do	
	do do do	do	
	do -	do	
	do	do	
	Norfolk and Washington Steamboat Co	do	4
	Pere Marquette R. R. Co.	do	
	do Norfolk and Washington Steamboat Co Chicazo and Alton Rwy. Co Pere Marquette R. R. Co New York, New Haven and Hartford R. R.	do	
	Co.		
	Duluth, South Shore and Atlantic Rwy. Co.	do	
	Chicago, Rock Island and Pacific Rwy, Co.	do	
	Illinois Central R. R. Co	do	
	Chicago, Rock Island and Pacific Rwy. Co Illinois Central R. R. Codododo	do	1
	do	do	
	do Missouri Pacific Rwy. Co do The Denver and Rio Grande R. R. Co The Oregon Short Line R. R. Co	do	
	mb Down Bi Good B C	do	
	The Oregon Short Line R. R. Co	do	1
	Star Union Line	do	1
	do	do	
	Star Union Line do do Pennsylvania R. R. Co.	do	
	do	do	
	Chicago, Burlington and Quincy R. R. Co	do	
	do	do	
	Pennsylvama R. R. Codo  do Chicago, Burlington and Quincy R. R. Codo  Norfolk and Western Rwy. Co. Missouri, Kansas and Texas Rwy. CoSouthern Rwy. Co  Mineral Range R. R. Co. Richmond, Fredericksburg and Potomac R. R. Co.	do	
	Southern Rwy. Co.	do	
	Mineral Range R. R. Co	do	
	Richmond, Fredericksburg and Potomac R. R. Co.	do	
	010 11 1 37 1 0 0	3	
	James Hunter	do	
	Wm. J. Crawford	Drayage	
16	Pennsylvania R R Co	Traveling expenses	
10	do	dodo	
	O'Callanan, Nelson & Co James Hunter Wm. J. Crawford G. M. Chappel Pennsylvania R. R. Codo do Star Union Line	do	
	Star Union Line	do	
	Star Union Linedo. Pennsylvania R. R. Co. Missouri Pacific Rwy. Codo. Central of Georgia Rwy. Co. Baltimore and Ohio Southwestern R. R. Co. Chicago, Milwaukee and St. Paul Rwy. Codo. do.	do	
	Missouri Pacific Rwy. Co	do	1
	Control of Cooperin Press Co	do	2
	Baltimore and Ohio Southwestern R. R. Co.	do	
	Baltimore and Ohio R. R. Co	do	
	Chicago, Milwaukee and St. Paul Rwy. Co.	do	
	do	do	
	Great Northern Rwy. Co	do	3
	Washington Southern Rwy. Co.	do	_
	do Great Northern Rwy. Co Washington Southern Rwy. Co. Union Pacific R. R. Co. Peninsular and Occidental S. S. Co. Steamer Alexander Volta J. J. Hagerty W. B. Moses & Sons do Woodward & Lothrop do	do	
	Steamer Alexander Volta	do	5
	J.J. Hagerty	Drayage	
	W. B. Moses & Sons	Linoleum	2
	Woodward & Lothron	Station supplies	ĩ
	dodo	Desk	2
	R.P. Andrews & Co. (Incorporated) E.D. Beattie	Paper	3
	E. D. Beattie H. A. Poole	Paper Printing bulletins Horse hire	3
	The Smith Premier Typewriter Co	Repairing typewriter	
	The Smith Premier Typewriter Co E. J. Shattuck & Co	Machine oil	
	National Iron Works	Repairing instrument shelter	2
	Barnhart Bros. & Spindler W. T. Jenkins	Printing material Binding maps	- 1
	W. T. Jenkins Pacific States Telephone and Telegraph Co.	Repairing telegraph line	1 1
	D. K. Frost	Repairing lanterns	1
	Morse & Land Oscar Newlin	Constructing tramway	24
	C. J. Cain	Drayagedo	
	C. S. Winthar P. Huggins	do	10
	D. Hangarina	(Teaning office	9

# $\textbf{\textit{Expenditures of Department of Agriculture for year ending June 30, 1903} \textbf{--} \textbf{Cont'd.}$

Ďate.	Name.	Nature of payment.	Total.
1903.	The Friedenwald Co. Manhattan Electrical Supply Co. C. D. Page. Houghton & Delano. W. R. Huston. Southern Printers' Supply Co. A. McC. Ashley. J. Warren Smith. A. L. Brockway. W. S. Palmer A. J. Mitchell Southern R. W. Co. Illinois Central R. R. Co. Ocean Tow Boat Line. Cumberland Telephone and Telegraph Co. Rising Sun Telegraph Line Alabama, Mississippi and Tennessee Telephone Co. Corvallis and Eastern R. R. Co. Corvallis and Eastern R. R. Co.		
[ay 16	The Friedenwald Co	Paper wrappers	\$720,00 7,50 3,90
	Manhattan Electrical Supply Co	Insulator brackets	7, 50
	Houghton & Delane	Seed plates	1.52
	W R Huston	Renairing river gauge	10.00
	Southern Printers' Supply Co	Type	3.89
	A. McC. Ashley	Traveling expenses	9.15
	J. Warren Smith	do	3. <del>1</del> 5
	A. L. Brockway	do	5, 25 3, 25
	A I Mitchell	do	5.50
	Southern Rwy, Co	Passenger transportation	20.81
	Illinois Central R. R. Co.	do	16.00
	Ocean Tow Boat Line	Telegraph services	2.00
	Cumberland Telephone and Telegraph Co.	OD	85,00
	Alahama Micciccippi and Tannacca Tala-	do	2, 60 6, 50
	phone Co.		0.90
	Corvallis and Eastern R. R. Co	do	. 2.60
	New England Telephone and Telegraph Co.	do	2.60
	Postal Telegraph Cable Co. of Texas	do	2.53 3.01
	Cumbarland Talanhana and Talagraph Co.	do	8.80
	do	do	5.50
	Montgomery, substations	Pay roll	28.75
***	J. I. Widmeyer	Station supplies	3.70 102.88
19	phone Co. Corvallis and Eastern R. R. Co New England Telephone and Telegraph Co. Postal Telegraph Cable Co. of Texas do. Cumberland Telephone and Telegraph Co. do Montgomery, substations J. I. Widmeyer The Atchison, Topeka and Sauta Fe Rwy. Co. Oregon Railroad and Navigation Co. Chicago, Rock Island and Pacific Rwy. Co. Boston and Maine R. R. Louisville and Nashville R. R. do Littlefield, Alvord & Co. United States Express Co. Hoke Engraving Plate Co. do do Woodward & Lothrop R. C. Tannehill G. W. Taylor & Co E. P. Howell Thayer & Jackson Stationery Co. Meteorological Council F. H. Root J. C. Widman & Co Clarke & Courts. Peter Gray & Sons Zimmermann Hardware and Manufacturing Co. Arkaness Devocerat Co.	Freight charges	102.88
*	Oregon Railroad and Navigation Co.	do	8.12
	Chicago, Rock Island and Pacific Rwy, Co.	do	17.33
	Boston and Maine R. R.	do	. 70
	Louisville and Nashville R. R.	do	3. 44
	Tittl-6-13 Al3 6 G	do	1.71 16.73
	United States Express Co	Evnress charges	21.72
	Hoke Engraving Plate Co.	Recoating base plates	287.50
	do	Repairing base plates	95. 51
	do	Recoating base plates	95, 51 37, 50
	Woodward & Lothrop	Office furniture	20.00
	G. W. Tarrior & Co.	Services	7.00 10.83
	E. P. Howell	Wood	5, 50
	Thayer & Jackson Stationery Co	Semicarbon paper	4.00
	Meteorological Council.	Compilation of telegrams	10.95
	F, H. Root	Wiring tower	29.50
	Clarko & Courte	Typowyiter stand	217.00 5.00
	Peter Gray & Sons	Repairing lanterns.	10.00
	Zimmermann Hardware and Manufactur-	Blotter bath	. 65
	ing Co.		*0.00
	Arkansas Democrat Co	Clip boards	18.00 6.00
	R. M. Havs	Mounting halvards	6.00
	G. H. Hornby	Water-cooler stand	2,00
-	ing Co. Arkansas Democrat Co G. F. Muth & Co R. M. Hays G. H. Hornby J. A. Van Etten J. E. Turton J. R. Gibson C. M. Strong T. B. Jennings A. J. Mitchell J. H. Smith do O. Parker	Clip boards Black pigment Mounting halyards Water-cooler stand Electric motor Continuous man frames	100.00
27	J. E. Turton	Crating map frames Installing lanterns Traveling expenses Station expenses	35.00
	J. R. Gibson	Installing lanterns	7.50
	T R Jennings	Station expenses	31.65 7.00
	A.J. Mitchell	Dravage, etc	3, 20
	J. H. Smith	Station expenses	4.75
	do	Repairing typewriter	4.75 2.50
	O. Parker Delaware, Lackawanna and Western R. R.	Drayage, etc Station expenses Repairing typewriter Station expenses Passenger transportation	13.14
	Co.	r assenger transportation	8, 70
		Rubber stamps	7.44
	H. D. Feast & Co.	Thermometers	2.60
	Neely Electric Construction Supply Co	Insulators	18.75
	American Writing Machine Co	Wire cylinder	8.50
	Eimer & Amend	Glass tubes	18.70 2.00
	A.G. McAdie	Traveling expenses	11.50
	R.J. Hyatt	do	21.30
	E. C. Vose	do	4.75 16.70
	R. G. Smith	Couries	16.70
	W. S. Palmer	Station expenses	3, 00 10, 15
	J. E. Turton	Map frames	990.00
	Herman Baumgarten H. D. Feast & Co. Neely Electric Construction Supply Co. W. S. Jenks American Writing Machine Co. Eimer & Amend A. G. McAdie R. J. Hyatt E. C. Vose A. E. Hackett R. G. Smith W. S. Palmer J. E. Turton do J. C. Entwistle	Instrument stands	570.00
	J. C. Entwistle	Engraving rain chart	7.50

Date,	Name.	Nature of payment.	Total.
1903.	D.H.D.		210.80
May 27	D. F. Parker Postal Telegraph Cable Co	Typewriter ribbons	\$13.50 417.82
	dodo	do	41, 40
	Northern Montana Telephone Co	do	104.2
	Northern Montana Telephone Co	do	43.30
	J. T. Harper The Ohio River Telephone Co	Telephone services	16, 49 15, 00
	R. P. Andrews & Co. (Incorporated)	Paper	6.30
	H C Frankenfield	Traveling expenses	61.70
	Disbursing clerk, Post-Office Department.	Post route map of Alaska Traveling expenses	200.00
	Disbursing clerk, Post-Office Department O. L. Fassig Flint & Walling Manufacturing Co	Repairing web for flagstaff	5.00
	W.S.Jenks	iron plate, etc	2, 50
	J. A. Roebling's Sons Co	Copper wire	22.4 179.0
31	National Electrical Supply Co Eberhard Faber United States Express Co.	Truck and laying track Rubber bands	93.00
01	United States Express Co.	Express charges	21.5
	(†. F. Muth & Co	Paper	10.0
	The Maurice Joyce Engraving Co J. Clinton	Engraving plates	41.52 2.00
	J. R. Hobbs	Cleaning carpet Team hire	1.50
	W. W. Best.	Repairing telegraph line	1.00
	The Addressograph Co Woodward & Lothrop	Pawl springs	10.50
	Woodward & Lothrop M. Du Perow	India linen Tape	18. 73 14. 00
	W. H. Dyer	Sawdust	1.73
	Wyckoff, Seamans & Benedict	Repairing typewriter	14.50
	J. R. Hobbs	Team hire	2.00 12.00
	J. E. Turton Peter Gray & Sons	Brass springs Brass clamps	6.00
	W. B. Moses & Sons	Table	11.50
	W. B. Moses & Sons R. Carter Ballantyne	Paper	. 99
	do	Publication	$\frac{2.10}{36.75}$
	F Morrison Paper Co	Paperdo	184. 80
	E. Morrison Paper Co Wagner Typewriter Co	Typewriter	87.5
	Clark & Davenport J. B. Lambie Co. (Incorporated)	Carpet	87.50 102.98
	J. B. Lambie Co. (Incorporated)	Brass tubing, etc	5, 60
	Mackali Brosdo	Oil Alcohol, etc	2.33 6.50
	J. H. Robinson	Traveling expenses	93.18
	J. H. Robinson W. F. R. Phillips et al Jno P. Church et al	Pay roll (climatology)	490.78
Trans 0	Jno. P. Church et al J. H. Robinson	Pay roll (printing office)	3,084.2
June 3	W. F. Clark	Traveling expensesdo	8.0
	E. R. Miller	do	15.8
	J. W. Smith	Drayage	$\begin{array}{c} 6.18 \\ 2.00 \end{array}$
	The Maurice Joyce Engraving Co	Photo-engraving Paper	19.60
	Z. D. Gilman	Rubber tubing	5.5
	Thaver & Jackson Stationery Co	Rubber tubing	40.0
	E.D. Beattie	Printing C. and C. reports	36.00
	S. H. Quint's Sons C. B. Alexander	Brass stencils, etc	7.93 4.00
	A. H. Revell & Co.	Office table	7.00
	C, B, Brown & Co	Stove, etc	7.0 21.5 1.9 10.0
	Patterson Transfer Co	Drayage Table	10.00
	Standard Oil Co	Benzine	6.2
	Bendernagel & Co	Recasting rollers	3.2 6.0
	E.D. Beattie	Printing snow bulletins	6.0 23.7
	The Central Ohio Paper Co F. E. Ware	Paper Services	. 50
	W. E. Morgan	Repairing river gauge	9.00
	Colwell & Rogers	Repairing windows	13.5
	Ray Munroe Pacific Metal Works	Services and team hire	10.00 8.00
	H. Booker & Co.	Gasoline	13.00
		Fitting glass to frames	2.00
	William Anderson Inland Type Foundry	Type	4.8
	Buxton & Skinner Stationery Co	Ink	. 6. 4. 0
	Schaefer & Co. Barnhart Bros. & Spindler	Type	31.1
	Bingham & Runge	Recasting rollers	3.0
	G. H. Banghman	Binding maps	3.0
	H. A. Vincent L. R. Williamson	Cleaning clocks	2.50 43.0
	W. B. De Witt	Bath tubRepairing typewriter	.78
	W. B. De Witt Morse & Land John Kitchin, jr., Co	Repairing typewriter Excavating basement, etc	83.5
	T. b., 17'4 . b.i i., . C.	Binding charts	3.2

Date.	Name.	Nature of payment.	Total.
1903.			
ine 3	J. H. Wearn & Co. Robt, Tyler H. J. Bool J. W. Jordan & Co. A. R. Schmidt The Hammatt Contracting Co. Baumgardt Publishing Co. Hoke Engraving Plate Co. J. G. Piodolo	Instrument stand Printing C. and C. bulletins. Painting instrument shelter Proof rollers Wiring tower, etc Lamps	\$20.0
	Robt. Tyler	Printing C. and C. bulletins	10.0
	H.J. Bool	Painting instrument shelter	10.0
	J. W. Jordan & Co	Proof rollers	5. 5 47. 8 10. 0
	A. R. Schmidt	Wiring tower, etc	47.8
	The Hammatt Contracting Co	Lamps	10.0
	Baumgardt Publishing Co. Hoke Engraving Plate Co. J. G. Plodela Denver and Rio Grande R. R. Co. Chicago and Eastern Illinois R. R. Co. Missouri Pacific Rwy. Co. C. H. Mallory & Co. Central of Georgia Rwy. Co. E. Aigeltinger The Pennsylvania R. R. Co. do. Chicago, Rock Island and Pacific Rwy. Co. Fremont, Elkhorn and Missouri Valley R. R. Co.	Printing C. and C. bulletins	9.7
	Hoke Engraving Plate Co	Stereotyping supplies	3.5
	J. G. Piodela	Freight transportation	10.0 35.0
	Denver and Rio Grande R. R. Co	Passenger transportation	55. U
	Unicago and Eastern Illinois R. R. Co	00	26. 7 22. 7 22. 5
	Missouri Pacine Rwy. Co	ao	22.1
	Control of Convict Drove Co	ao	31.9
	Central of Georgia Rwy. Co	Duoye as	
	E. Algeringer	Pagagaran tunnan antation	3. 5 36, 6
	The rennsylvania K. K. Co	Enought changes	1.2
	Chicago Pooly Island and Docific Dwy Co.	r reight charges	10.7
	Unicago, Rock Island and Pacific Rwy. Co.	ao	3.6
	P. D. C.	ao	ə. v
	R. R. Co.	do	7 1
	Stan Union Lino	do	1.1
	Great Northern Rwy Co	do	26.6
10	R. R. Co.  do Star Union Line Great Northern Rwy. Co Eberhard Faber J. M. Carson W. M. Hayes W. S. Palmer D. H. Day T. F. Townsend H. C. Bate O. L. Fassig E. B. Richards New York, substations Northern Pacific Rwy. Co Grand Rapids and Indiana Rwy. Co. Georgia Southern and Florida Rwy. Co. Atlantic Coast Line R. R. Co Pennsylvania Co Establishing Alway & Co.	Indexing files	2.0
10	J M Careon	Sorvices	3.0
	W M Haras	Station avnances	40.3
	W S Palmar	do	19.7
	D H Day	Dravage	12.7 2.5
	T F Townsend	Station supplies	3.5
	H C Rata	Drawaga	2.0
	O L Fassio	Station expenses	4.0
	E B Richards	do	4. 0 22. 9
	New York substations	Pay roll	35.0
	Northern Pacific Rwy Co	Passenger transportation	5.6
	Grand Rapids and Indiana Rwy Co	do	8.6
	Georgia Southern and Florida Rwy Co	do	24.8
	Atlantic Coast Line R. R. Co	do	5.7
	Pennsylvania Co	do	5. 7 10. 5
	Littlefield Alvord & Co	Dravage	12.0
	Pennsylvania Co Littlefield, Alvord & Co Ocean Towboat Line. The Central District and Printing Tele-	Telegraph services	12.0
	The Central District and Printing Tele-	do	18.2
	graph Co.		20114
	Jacksonville and St. Johns Bar Telegraph	do	7.2
	Line.		
	The Central District and Printing Tele-		11.6
	Lee County Telephone System	do	2.9
	Pacific States Telephone and Telegraph Co	do	2. 2 12. 2
	Elizabeth City and Norfolk Telegraph Co.	do	4.0 2.5
	Rising Sun Telegraph Line	do	2.5
	Pacific States Telephone and Telegraph Co.	do	11.2
	do	do	10.7
	Home Telephone Co	do	7.8
	graph Co. Lee County Telephone System Pacific States Telephone and Telegraph Co. Elizabeth City and Norfolk Telegraph Co. Rising Sun Telegraph Line. Pacific States Telephone and Telegraph Co. do. Home Telephone Co. Alabama and Georgia Long Distance Telephone Co.	do	7.8 7.5
	phone Co.		
	Morrison Fourmy Directory Co	City directory	5. 0
	phone Co. Morrison Fourmy Directory Co. C. W. Snow The Hammatt Contracting Co. C. C. Ransom. M. W. Crutsinger L. Paulee. Cram Whitford Sons & Co.	City directory Repairing tower Installing lanterns	26.5
	The Hammatt Contracting Co	Installing lanterns	39.0
	C. C. Ransom	Repairing telegraph line	2.5 2.0 19.0
	M. W. Crutsinger	Recasting rollers	2.0
	L.Paulee.	Map frames	19.0
	Cram, Whitford Sons & Co	Constructing shed	10.0
	C. E. Rosenbaum Machinery Co	Leather belting	5.2
	E.C. Sawyer	Relaying linoleum	5.0
	M. W. Crutsinger L. Paulee Cram, Whitford Sons & Co C.E. Rosenbaum Machinery Co. E. C. Sawyer W. W. Clucker W. R. Prowell Hoke Engraving Plate Co John Carter & Co H. Lewark	Installing lanterns Repairing telegraph line Recasting rollers Map frames Constructing shed Leather belting Relaying linoleum Cleaning rugs Repairing river gauge Recoating base plates Paper Horse hire	9.9
	W. K. Prowell	Repairing river gauge	34.0
	Hoke Engraving Plate Co	Recoating base plates	34. 0 62. 3 70. 0
	John Carter & Co	Paper	70.0
	H. Lewark	Horse nire	4.0
	E. Wood Manufacturing Co	kepairing tower, etc	3.1
	r. wesel Manufacturing Co	Reconsting oase plates Paper Horse hire Repairing tower, etc Ladle Repairing typewriter Typewriter	2.2 7.1
	The Smith Premier Typewriter Co	Repairing typewriter	7
	Married Writing Machine Co	Typewriter	72.5
	Marais Lumber Co	Installing lamps	88. ( 38. 3 67. 9
	Millison Office Supply Co	Bookcase.	38,
	J. W. Smith	Traveling expenses	67, 9
	H. Lewark C. V. Webb F. Wesel Manufacturing Co The Smith Premier Typewriter Co American Writing Machine Co Millison Office Supply Co J. W. Smith J. H. Scott A. G. McAdie do T. S. Outram	do	14.8
	A. G. McAdle	do	4.7 8.0
	m c Outro	do	
	1. S. Outram	do	4.0

 $Expenditures\ of\ Department\ of\ Agriculture\ for\ year\ ending\ June\ 30,1903-{\bf Cont'd}.$ 

oate.	Name.	Nature of payment.	Total
903.		3	
ne 10	B. A. Dyke C. C. Cooper C. F. Schneider Western Union Telegraph Co Jno. D. Chapin A. Zappone G. W. S. Bell W. B. Moses & Sons D. F. Parker Julien P. Friez do	Traveling expenses	\$8
	C. C. Cooper	de	6
	C. F. Schneider	do do do Telegraph services Building telegraph line Traveling expenses Painting signboard Curtains	$10 \\ 14,577$
	Western Union Telegraph Co	Telegraph services	14,577
	Jno. D. Chapin	Building telegraph line	496
15	A. Zappone	Painting expenses	496 133 16
15 18	W R Moses & Sons	Curtaine	7
10	D. F. Parker	Curtains Stencil paper Anemometer register Parts for rain gauges Subciterage	1 062
	Julien P. Friez	Anemometer register	1,062 40
		Parts for rain gauges	167
	J. H. Kimball	Subsistence Repairing telegraph line Phosphorus Rubber tubing	31
	P. Nilsson	Repairing telegraph line	17 1
	Z. D. Gilman	Phosphorus	1
	do	Rubber tubing	2
	do Central Union Telephone Co	do Telephone services do Typewriters Crating instrument stand Type	2 8 38
	New York Telephone Co	do	12
	American Writing Machine Co	Typewriters	144
	J. H. Wearn & Co	Crating instrument stand	3
	American Type Founders Co.	Type	8
	L.F. Willoughby	do	44
	Central Union Telephone Co. New York Telephone Co. American Writing Machine Co. J. H. Wearn & Co. American Type Founders Co. L. F. Willoughby Thos. Somerville & Sons Woodward & Lothropdo. J. A. Warner Clark & Davenportdo J. S. Bequest W. J. Kemp P. E. Jennings T. F. Gessner J. B. Anderson G. A. Loveland E. D. Coberly L. M. Pindell A. C. Pickels	Sundry station supplies Mirror, etc Soap and desk Running levels Carpet do	1
	Woodward & Lothrop	Mirror, etc.	100
	T A Wonney	Soap and desk	160
	Clark & Dovomont	Cornect	9
	do	do	66 32
	J. S. Beguest	Painting wind vane etc	8
	W.J. Kemp	Repairing clock	ě
	P. E. Jennings	Painting wind vane, etc	4
	T.F.Gessner	Photographs of flood scenes	(
	J. B. Anderson	Traveling expenses	21 11
	G.A.Loveland	do Painting wind vane, etc. Repairing clock Painting wind vane, etc. Photographs of flood scenes Traveling expenses do do do	2
	E. D. Coberly	do	1
	A C Pickels	do	12
	A. C. Pickels J. E. Rankin, guardian Coche heirs Electrical Supply and Construction Co Cirlbane & Green	Office vent	5/
	Electrical Supply and Construction Co	Electric fan	54 21
	Culhane & Green	File and book case	33
	The Globe-Wernicke Co	Letter filing boxes	(
	Electrical Supply and Construction Co Culhane & Green The Globe-Wernicke Co Standard Furniture Co Frothingham, Hefferman & Co Piedmont Electric Co Inland Electric Co Herman Baumgarten do Lamb & Tilden Hartwell & Crone G. H. Hornby	do do do Office rent Electric fan File and book case Letter filing boxes Bookcase Carpet and rugs Laying cable, etc Installing electric light Duplicating rollers Rubber stamps Pad ink Constructing board walk Chart frames Draying	50
	Frothingham, Hefferman & Co	Carpet and rugs	25
	Piedmont Electric Co	Laying cable, etc	12
	Inland Electric Co	Installing electric light	12 14 52
	Herman Baumgarten	Duplicating rollers	97
	Tamb & Wildon	Rubber stamps	2
	Hartwell & Crope	Constructing board walk	4
	G. H. Homby	Chart frames	32
	Rardin's Bus. Hack and Transfer Co.	Draving	
	J. A. Venable	Laving carpet	
	Annesley & Co	Tracing linen	1.
	W. Garing	Cleaning furniture	2
	Daniel Daly	Recasting rollers	
	A. n. Kevell & Co.	Class etc	1
	P. Cartor Ballantyna	Pone	13
	Thomas Roody	Chairs and matting	2
	Seranhim Blank Book Co	Binding publications	4
	J. H. Thiemever	Packing boxes	15
	C. E. Johnson & Co	Ink	22
	Geo. Meier & Co	Gum arabic	
	B.J. Sherry	Repairing telegraph line	
	E. A. Brown	Traveling expenses	19
	Northern Alabama Rwy. Co	Freight charges	
	Star Ullon Line	do	
	do	do	
	Denver & Rio Grande R. R. Co	do	
	do	do	
	Lamb & Tilden Hartwell & Crone G. H. Hornby Rardin's Bus, Hack and Transfer Co J. A. Venable Annesley & Co W. Garing Daniel Daly A. H. Revell & Co Wm. Curry's Sons R. Carter Ballantyne Thomas Reedy Seraphin Blank Book Co J. H. Thiemeyer C. E. Johnson & Co Geo. Meier & Co B. J. Sherry E. A. Brown Northern Alabama Rwy. Co Star Union Line do do Denver & Rio Grande R. R. Co do do Chicago, Rock Island and Pacific Rwy. Co California Northwestern Rwy. Co Pennsylvania R. R. Co do Pennsylvania R. R. Co Mey York Central and Hudson River R. R. Co do do	do	
	Chicago, Rock Island and Pacific Rwy. Co	do	
	California Northwestern Rwy. Co	do	
	Pennsylvania R. R. Co	do	
	do	do	
	Pere Marquette R. R. Co	do	

# $\label{lem:expenditures} \textit{Expenditures of Department of Agriculture for year ending June 30, 1903} - \texttt{Cont'd}.$

GENERAL	EXPENSES,	WEATHER	BUREAU—Continued.
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te.	Name.	Nature of payment.	Tota
3.			
e 18	Wisconsin Central Rwy. Co	Freight charges	\$0
	Illinois Central R. R. Co	do	
	do	do	
	Terre Haute and Indianapolis R. R	do	
	Chicago and Alton Rwy. Co	do	
	St. Louis and San Francisco R. R. Co	do	e
	Wisconsin Central Rwy. Co Illinois Central R. R. Co do do Terre Haute and Indianapolis R. R Chicago and Alton Rwy. Co St. Louis and San Francisco R. R. Co Norfolk and Southern R. R. Co Chicago, Peoria and St. Louis Rwy. Co., of Illinois.	do	e
	Florida East Coast Rwy	do	39
	Union Pacific R. R. Co	do	22
	do	do	,
	C. H. Mallory	do	2
	K. J. Cottrell.	Drayage	2
	T T He govern	do	
	Southern Rwy Co	Freight charges	6
	do	do	3
	Illinois. Florida East Coast Rwy Union Pacific R. R. Co Burlington Route, Missouri linesdo C. H. Mallory K. J. Cottrelldo J. J. Hagerly Southern Rwy. Codo Fonda, Johnstown and Gloversville R. R. Co.	do	
	Co. Washington County P. P. Co.	do	
	Philadelphia and Reading Rwy	do	
	The Hocking Valley Rwy. Co	do	
	W. P. Raley	do	
	St. Louis Transfer Co	Drayage	
	Co. Washington County R. R. Co Philadelphia and Reading Rwy The Hocking Valley Rwy. Co W. P. Raley St. Louis Transfer Co do The Atchison. Topeka and Santa Fe Rwy. Co.	Freight charges	
	Erie R. R. Co	do	
	Erie R. R. Co. Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.	do	
	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co. Virginia and Truckee R. R. Co Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.  do  do  Lehigh Valley R. R. Chicago and Northwestern Rwy. Co.  do  Coston Signal Co. (Incorporated) U. S. Envelope Co Disbursing clerk, Post-Office Department E. H. Bowie Western Union Telegraph Co Cleveland Abbe C. F. Marvin A. H. Thiessen A. Zappone Western Union Telegraph Co. do J. C. Parker E. D. Emigh Frank Ridgway F. Z. Gosewisch E. H. Nimmo L. C. Cover G. A. Loveland J. J. Gray	do	
	do	do	
	do	Passenger transportation	2
	Lenigh Valley R. R.	do	1.
	do	Freight charges	2
	Coston Signal Co. (Incorporated)	Answering signals	30
	U. S. Envelope Co	Envelopes	5
	E H Rowie	Traveling expenses	18
	Western Union Telegraph Co.	Telegraph services	13.56
30	Cleveland Abbe	Traveling expenses.	
	C. F. Marvin	do	
	A. H. I messen	do	
	Western Union Telegraph Co	Telegraph services	10
	do	do	10
	J. C. Parker	Pocket maps	1
	Frank Ridgway	Station expenses	10
	F.Z.Gosewisch	Drayage	
	E. H. Nimmo	Washing towels	
	Western Union Telegraph Co do J. C. Parker E. D. Emigh Frank Ridgway F. Z. Gosewisch E. H. Nimmo L. C. Cover G. A. Loveland J. J. Gray C. M. Strong W. S. Palmer Catherine Ryan Mount Washington Rwy. Co M. W. Cunningham J. L. Smith G. S. Waite J. W. Chester Co C. W. Donaldson A. H. Sweet Yates & Co J. K. Hand Phœnix Light and Fuel Co B. M. Lee Green Bros C. F. Perrin	do do	
	J.J. Gray	Drayage	
	C. M. Strong	do	1
	W.S. Palmer	Repairing clock.etc.	14
	Mount Washington Rwy Co	Office rent	10
	M. W. Cunningham	do	3
	J. L. Smith	do	2 7
	I.W. Chostov Co.	Parairing aumoture	7
	C. W. Donaldson	Constructing river gauge	
	A. H. Sweet	Cleaning clock	
	Yates & Co	Oil	
	J. K. Hand	Anemometer clock	1
	B. M. Lee	Running levels	1.
	Green Bros	Running levels Hanging shades	
	Green Bros C. F. Perrin		
		torne	
	W. H. Callister J. A. Tennent The State Journal Co	Taking down wind vane  Erecting instrument platform  Printing climate and even bul	5
		Printing climate and crop bul-	.,

te.	Name.	Nature of payment.	Total.
03.			
e 30	Union Trust Co	Telephone services	\$3.
	Union Trust Co Harn Rotary Printing Machine Co	Drinting machines	500.
	National Electrical Supply Co The A. B. Whiting Paint and Glass Co D. P. Haskitt Merchant & Co	Leather belting.etc	ő.
	The A. B. Whiting Paint and Glass Co		5. 17.
	D. P. Haskitt	Placing shelter	1.
	Merchant & Co	Class Placing shelter Stereotype metal Oil and water Painting river gauge	7. 5.
	A. L. Whitaker	Oil and water	5.
	J. B. Taylor	Painting river gauge	5.
	J. A. Melton	Forms case Repairing river gauge Instruments	42.
	W. H. Back Cambridge Scientific Instrument Co. (Lim-	Repairing river gauge	. 5.
	ited).	instruments	185.
	C I Cain	Services	10.
	C. J. Cain I. W. Fawcett	River map	6.
	J. I. Holcomb Manufacturing Co	Dusters	78.
	W. B. Moses & Sons	Dusters Chairs and bookcase	33.
	Pacific States Telephone Co	Telephone services	10.
	Pacific States Telephone Co Corvallis and Eastern R. R. Co	do	2.
	Minneapolis, St. Paul and Sault Ste. Marie	do	25.
	Rwy, Co.		
	The Bell Telephone Co. of Buffalo	do	4.
	The Bell Telephone Co. of Buffalo. Alabama, Mississippi and Tennessee Tele-	do	6.
	phone Co.	•	
	Home Telephone Co	do	7.
	Chicago, Burlington and Quincy R. R. Co- Jacksonville and St. Johns Bar Telegraph	do	2.
	Jacksonville and St. Johns Bar Telegraph	do	6.
	Line,	a.	9.4
	Marthas Vineyard Telegraph Co	do	34. 153.
	Postal Telegraph Cable Co. of Texas	do	48.
	International Ocean Telegraph Co Postal Telegraph Cable Co. of Texas Atlantic Coast Line R. R. Co Louisville and Nashville R. R. Co Oregon R. R. and Navigation Co	Freight charges	1.
	Louisville and Nashville R. P. Co	do	5.
	Oregon R. R. and Navigation Co	do	1.
	rennsvivanja B. B. Co		
	Baltimore and Ohio R. R. Co Littlefield, Alvord & Co	do	29
	Littlefield, Alvord & Co	Drayage	20.
	Wm. J. Crawford	do	3.
	do	do	
	St. Louis Transfer Co	do	1.
	Hugh Reilly	Paint.	16.
	J. C. Parker	Adding machine	5.
	Clark & Davenport	Carpet	27. 9.
	W. B. Moses & Sons. R. P. Andrews & Co. (Incorporated)	Wardrobe Diagraph pencils	132.
	A. L. Whitaker	Moving instruments, etc	63.
	Edward Mullin	Rags	14.
	T. Crimmins	Canvas top for launch	16.
	The New York Maritime Register	Subscription	35.
	J. C. Entwistle	Engraving rain chart	7.
	Crosby Brothers	Carpet	140.
	Standard Oil Co	Gasoline	20.
	H. L. Hall	Typewriter desk	25.
	Clarke & Courts	Binding maps	7.
	L.H. Vogel	Handle to casting box	1.
	Western Fuel Co	Coal	14.
	A. M. Ferguson Valley Paper Co.	Removing instruments	120. 140.
	do do	Paperdo	9.
	do Ridson Willard Electric Co	Iron conduit	15.
	The Arkansas Democrat Co	Rollers	4.
	W. L. Clark	Renairing typewriter	4.
	C Sutter	Repairing typewriter Barometer box	î.
	C. Sutter Wm. Nordhoff	Repairing clock	2.
	A.J.Knight	Floatric current	2.
	G. M. Thomas	Repairing typewriter	5.
	G.M.Thomas Eimer & Amend	Repairing typewriter. Apparatus for aerial observa-	44.
		tions.	
	National Automatic Fire Alarm Co. of	Electric fans	39.
	Louisiana.	D'1 1 11	
	Ida P. Hatch	Pitcher and basin	1.
	W.B. Gregory J. W. Graham & Co	Instructions holders	82.
	J. W. Granam & Co	Platen, etc.	4.
	T. Schallere P. D. Clack	Painting instrument shelter	9.
		Drayage	7.
	Gust Forsberg	Oil brushes, etc	10.
	W.P. Fuller & Co. National Electrical Supply Co.	Leather belt	17.
	Hartwell & Crone Chicago, Burlington and Quincy R. R. Co Marthas Vineyard Telegraph Co.	Moving office, etc	14.
	TIGITOWELL OF CIONE	moving omco, otc	14.
	Chicago Burlington and Oniney R P Co	Telegraph services	2. 23.

Date.	Name.	Nature of payment.	Total.
1903.			
June 30	Alabama and Georgia Long Distance Tele- phone Co.	Telephone services	87.
	phone Co. Elizabeth City and Norfolk Telegraph Co. New England Telephone and Telegraph Co. Postal Telegraph Cable Co. do International Ocean Telegraph Co. Washington Southern Rwy. Co. Norfolk and Washington Steamboat Co. The Pennsylvania R. R. Co. Galveston, Houston and Northern Rwy. Co. Baltimore and Ohio R. R.	Telegraph services	1.
	New England Telephone and Telegraph Co.	do	2.
	do do	do	479. 75.
	do	do	38.3 148.
	International Ocean Telegraph Co	do	148.0
	Washington Southern Rwy. Co	Passenger transportation	41.
	The Pennsylvania R. R. Co.	do	5.0 61.1 12.
	Galveston, Houston and Northern Rwy. Co.	do	12.
	Baltimore and Ohio R.R. New York Central and Hudson River R.R.	do	4. 14.
	Co		
	Seaboard Air Line Rwy Chicago and Northwestern Rwy. Co. Great Northwestern Telegraph Co. of	do	48.
	Chicago and Northwestern Rwy. Co	do	78. 292.
	Great Northwestern Telegraph Co. of	Telegraph services	292.
	E. C. Vose	Traveling expenses	5.
	A. L. Brockway	do	5. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8.
	W. M. Wilson	do	8.
	A P Hamlin	do	8.
	W. H. Treat	do	9. 1.
	J. R. Weeks	Drayage	1.
	J. H. Robinson	Drayage.etc	1. 1.
1	W. S. Currier	Dravage	1.
	L. M. Dey	do	
	Greaf Northwestern Telegraph Co. of Canada. E. C. Vose A. L. Brockway M. Wilson E. R. Miller A. P. Hamlin W. H. Treat J. R. Weeks J. H. Robinson Chas Stewart W. S. Currier L. M. Dey Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.	Freight charges	22.8
	Rwy. Co.	do	29.
	Pennsylvania R. R. Co	do	~
	Chicago Book Island and Books By- Co	do	3.
	Chicago and Northwestern Rwy Co.	do	9.
	do Chicago, Rock Island and Pacific Rwy. Co. Chicago and Northwestern Rwy. Co. Minneapolis. St. Paul and Sault Ste. Marie	do	1.0
	AWY. CO.		
	Fonda, Johnstown and Gloversville R. R. Co.	do	. (
	West Virginia Central and Pittsburg Rwy.	do	
	Co		
	Minneapolis and St. Louis R. R. Co	do	. 4
	Minneapolis and St. Louis R. R. Co	do	
	Louis Rwy. Co. Boston and Albany R. R Nashville. Chattanooga and St. Louis Rwy.		
	Boston and Albany R. R	do	1.
	Co.	OD	
	Mohawk and Malona D D	do	
	Eastern Steamship Co	do	1.
	Norfolk and Washington Steamboat Co	do	4.0
	Atlantic Coast Line R. R. Co	do	1.1
	Rathern Steamship Co.  Norfolk and Washington Steamboat Co.  Gulf, Colorado and Santa Fe Rwy, Co.  Atlantic Coast Line R. R. Co.  Chicago, St. Paul, Minneapolis and Omaha	do	7.
	Delawara & Hudson Co	Project charges	
	E. Aigeltinger Delaware & Hudson Co W. F. R. Phillips et al Jno. P. Church et al	Pay roll (climatology)	479.8
	Jno. P. Church et al	Pay roll (printing office)	3. 127.
	Total fourth quarter		101, 204.
	Total fourth quarter		101, 204.
	Supplemental,		
у 9	Joseph Gussenhoven Fremont Lumber Co Paine Bros. Pacific Club Yale Hicks, agent Estate of S. Marks & Co Chicago Auditorium Association. Peter Sonna B. M. Jacobs City of Columbia, S. C. Conrad National Bank William Pollman Walla Walla Lodge, No. 56, I. O. O. F	Office rent	90.0
	Fremont Lumber Co.	do	87.
	Paine Bros	do	87. 7 73. 9
	Vale Hicks agent	00	65.7
	Estate of S. Marks & Co	do	120.0
	Chicago Auditorium Association	do	84. 437.
1	Peter Sonna	do	120.
	B. M. Jacobs City of Columbia & C	do	30. ( 90. (
	Conrad National Bank	do	90. 0 67. 5
	William Pollman	do	112. 8
		do	84.8

## $Expenditures \ of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30,1903-{\tt Cont'd}$ GENERAL EXPENSES WEATHER BUREAU-Continued

	GENERAL EXIENSE	is, wearien boneau—commued.
Date.	Name.	Nature of payment.

Date.	Name.	Nature of payment.	Total.
1009	Supplemental—Continued.		
1903. July 9	Prudential Building Co. T. B. Catron. T. E. Warren Mercantile Co. Edgar Harding Orson Adams, jr Utah & Pacific R. R. Co. The Gamble-Desmond Co. Dent & Butler C. M. Beeson Adam Geiger Tyree & Wilkins, agents Citizens' Bank of Norfolk, Va. Jacob Crocker Taylor National Bank J. W. Hollenbeck The Holtzer-Cabot Electric Co.	Office rent	\$170.00
	T. B. Catron	do	\$170.00 105.00 129.40
	T. E. Warren Mercantile Co	do	129.40
	Orson Adams, ir	do	85.00 120.00 40.00
	Utah & Pacific R. R. Co	do	40.00
	The Gamble-Desmond Co	do	96.00
	C. M. Beeson	do	105.00 88.91 60.00
	Adam Geiger	-do	60.00
	Tyree & Wilkins, agents	do	67.50
	Jacob Crocker	do	131.25
	Taylor National Bank	do	$75.00 \\ 143.75$
	J. W. Hollenbeck	Repairs at storm-warning sta-	20.00
	The Heltzey Cabet Fleetnie Co	tion.	151.50
	Cooper Bros	Laving cable	12.50
	L. Cohen & Co	Hand brushes, etc	4. 10 50. 00
	H. C. Beeson	Marine dictionaries	50.00
	Paul A F Walter postmaster	Rent of post-office box	$\frac{45.50}{1.50}$
	C. C. Watson	Repairing clock	1.50
	W. Garing	Laying carpet	$5.00 \\ 21.60$
	Jacob Crocker Taylor National Bank J. W. Hollenbeck The Holtzer-Cabot Electric Co Cooper Bros L. Cohen & Co H. C. Beeson The Globe-Wernicke Co Paul A. F. Walter, postmaster C. C. Watson W. Garing Burrow, Martin & Co F. L. Knight Joe Campbell Munger's Laundry Lone Star Ice Co Grant Rivenburg The Steffen & Bretch Ice Co W. Huston C. A. Blumner M. T. Reed	Paint	$\frac{21.60}{1.50}$
	Joe Campbell	dodo	2.25
	Munger's Laundry	do	2, 25 3, 00
	Lone Star Ice Co	Ice	4.50
	The Steffen & Bretch Ice Co	ao 	2.27 2.20
	W. Huston	Services	9. 20
	C. A. Blumner	do	15.00
	M. T. Keed I A Vanabla	do	20.00
	F. H. Brandenburg	Benzine, etc.	15.00 2.35
	Charlevoix Electric Light Plant	Electric light	4.50
	M. T. Reed J. A. Venable F. H. Brandenburg Charlevoix Electric Light Plant City of South Haven Muskegon Traction and Light Co The Apalachicola Electric Light and Tele-	do	12.50 15.00 18.75
	The Apalachicola Electric Light and Tele-	do	18.75
	Benton Harbor and St. Joseph Rwy, and Light Co. Red Wing Gas and Electric Co. Frankfort Electric Light Co. J. S. Stearns J. F. Byrne W. S. Rowe E. V. Hauser Kalispell Water and Electric Co. Southern Bell Telephone and Telegraph	do	12.50
	Red Wing Gas and Electric Co	do	7.50
	Frankfort Electric Light Co	do	12.50
	J. S. Stearns	Floatnia aumont	12.50 10.00 12.50
	W. S. Rowe	Telephone services	3.00
	E. V. Hauser	do	7.50
	Kalispell Water and Electric Co	do	7.50 12.00 12.00
	Co.		
	Missouri, Kansas and Texas Rwy, Co	Passenger transportation	25. 10 59. 32
	Missouri, Kansas and Texas Rwy. Co Great Northern Rwy. Co Oregon Short Line R. R. Co	do	21 25
	G. R. Oberholzer	Station expenses	1.85
	Great Northern Rwy. Co. Oregon Short Line R. R. Co G. R. Oberholzer A. Zappone C. G. Bigham F. H. Bigelow H. H. Kimball A. L. Cook T. M. Jeffris & Co G. L. Lovett Dexter Horton C. H. Green & Co Pacific States Telephone and Telegraph Co The San Antonio Telephone Co. Southern Telegraph and Telephone Co.	Traveling expenses	1.85 5.50 7.00 2.75 2.75
	C.G. Bigham	do	7.00
	H. H. Kimball	do	2.75
	A. L. Cook	Office rent	
	T. M. Jeffris & Co	do	125 00
	G.L. Lovett	do	105.00 120.00 2.40 9.00
	C. H. Green & Co	Ice	2.40
	Pacific States Telephone and Telegraph Co.	Telephone services	9.00
	The San Antonio Telephone Co	do	7.50 7.50
	Sunset Telephone and Telephone Co	do	6.00
	Dexter Horton C. H. Green & Co Pacific States Telephone and Telegraph Co The San Antonio Telephone Co Southern Telegraph and Telephone Co. Sunset Telephone and Telephone Co. Paine Bros Eureka Lighting Co. San Antonio Gas and Electric Co Lincoln Traction Co W. S. Bricker F. Golart, jr B. J. Sherry National Lead Co. American Writing Machine Co J. H. Richmond	do do Electric light do Electric current	7.50 9.60
	Eureka Lighting Co.	do	9, 60
	San Antonio Gas and Electric Co	Electric current	13.50
	W. S. Bricker	do	12.50
	F. Golart, jr	Team hire	6. 25 13. 50 12. 50 2. 00 6. 40
	B. J. Sherry	do Team hire Repairing telegraph line Stereotyping metal Repairing typewriter Constructing river gauge	6.40 5.27
		STREEOLVDING METAL	0.61
	American Writing Machine Co	Renairing typewriter	2.60

Date.	Name.	Nature of payment.	Total.
1903. July 9	Supplemental—Continued.  G. J. Chambers William Senter Co E. A. Little Norfolk and Southern Ry. Co Pennsylvania R. R. Co do do do Southern Rwy. Co	Carpet Repairing clock Cleaning carpet Passenger transportation Freight charges	\$115.00 3.00 1.65 2.90 .49 .74
	do do Southern Rwy. Codo do do	do	$\begin{array}{c} .38 \\ .35 \\ 1.55 \\ 4.90 \\ 3.41 \end{array}$
	Chicago, Burlington and Quiney Rwy. Co.	dodo	5, 29 20, 15 1, 58
	do do do do do do Great Northern Rwy. Co do do Burlington Route, Missouri lines do Lehigh Valley R. R. Co do Oregon Short Line R. R. Co do Southern Rwy. Co di llinois Central R. R. Co do do Alabama and Vicksburg Rwy. Co do Norfolk and Western Rwy. Co do Louisville and Nashville R. R. Co do Northern Pacific Rwy. Co do Northern Pacific Rwy. Co do Chicago, St. Paul, Minneapolis and Omaha Rwy. Co do	do do do do	. 84 1.77 . 40 1.27 23.49 9.33
	Burlington Route, Missouri lines do Lehigh Valley R. R. Co do Oregon Short Line R. R. Co	do do do do	. 54 2. 85 . 45 1. 80 34. 30
	doSouthern Rwy. Codo Illinois Central R. R. Codo	do do do do	3, 01 3, 86 16, 43 .94 .27
	do do Alabama and Vicksburg Rwy, Co do Norfolk and Western Rwy, Co	do do do do	. 72 . 64 . 38 1. 39 3. 24
	do Louisville and Nashville R. R. Co. do Northern Pacific Rwy. Co	do do do do	9. 89 9. 89
	Minneapolis, St. Paul and Sault Ste. Marie Rwy, Co.	do	. 50
	Nashville, Chattanooga and St. Louis Rwy. Co. Wabash R. R. Co. Chesapeake and Ohio Rwy. Co. Star Union Line Michigan Central R. R. Co. Lake Shore and Michigan Southern Rwy.		9. 46 1. 89 2. 53 1. 63
	Pome Watertown and Ordenshung P P	do	1. 09 . 49 . 85 1. 40 1. 45
	Boston and Maine R. R. Atlantic Coast Line R. R. Co Cleveland, Cincinnati, Chicago and St. Louis Rwy, Co. Louisville and Nashville R. R. Peninsular and Occidental Steamship Co.	do	1. 43 3. 18 1. 09 134. 70
	Atlantic Coast Line R. R. Co. Cleveland, Cincinnati, Chicago and St. Louis Rwy, Co. Louisville and Nashville R. R. Peninsular and Occidental Steamship Co. Cumberland Valley R. R. Co. Burnside and Burksville Transportation Co. Town of New Shoreham, R. I. The Atchison, Topeka and Santa Fe Rwy, Co. Pauley & Jones Stage Co. Southern Bell Telephone and Telegraph Co. do. Missouri and Kansas Telephone Co. Southern States Telephone Co. Central Union Telephone Co. Jacksonyille Telephone Co. Southern Bell Telephone Co. Southern Bell Telephone and Telegraph Co. Southern Bell Telephone and Telegraph Co. The Bell Telephone Co. The Bell Telephone Co. The Bell Telephone Co. Of Philadelphia. Telephone Co. of South Jersey The Southwestern Telegraph and Telephone Co.	do do do do do Telephone services	. 31 1. 17 1. 76 16. 66 2. 00 3. 00
	do Missouri and Kansas Telephone Co Southern States Telephone Co Central Union Telephone Co Jacksonyille Telephone Co	do do do do	15.00 18.00 18.00 9.50 10.50 7.50
	Missouri and Kansas Telephone Co. Southern Bell Telephone Co. Maryland Telephone and Telegraph Co. Southern Bell Telephone and Telegraph Co. The Bell Telephone Co. of Divided by the	do	9. 00 15. 00 14. 50 24. 00 30. 00
	Telephone Co. of South Jersey  The Southwestern Telegraph and Telephone Co.	do do	5, 00 15, 00

# $Expenditures of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30, 1903-{\bf Cont'd.}$

Oate	Name.	Nature of payment.	Total
	· Supplemental—Continued.		
1903.	Southern Bell Telephone and Telegraph Co.	Telephone souviees	20
1y 10	New Telephone Co	do	\$9. 10.
	The Inland Telephone and Telegraph Co	do	9
	The Bell Telephone Co. of Buffalo	do	15.
	Pacific States Telephone and Telegraph Co.	do	18.
	The Colorado Telephone Co	do	9 12
	Citizens' Telephone Co. of Muskegon	do	6 12
	Southern Bell Telephone and Telegraph Co. The Inland Telephone Co. The Bell Telephone Co. of Buffalo. Pacific States Telephone and Telegraph Co. Rocky Mountain Bell Telephone Co. The Colorado Telephone Co. Citizens' Telephone Co. of Muskegon Southern Bell Telephone and Telegraph Co. do		
	Bell Telephone Co of Buffalo	do	9 26
	do Bell Telephone Co. of Buffalo New England Telephone and Telegraph Co.		
	The Southern New England Telephone Co- Pacific States Telephone and Telegraph Co-	do	27
	Control Union Tolophone Co.	do	9 15
	Central Union Telephone Co.  Southern Bell Telephone and Telegraph Co.		15
	do	do	12
	New York Telephone Co.	do	60
	The Chicago Telephone Co	do	18 57
	Peninsular Telephone Co	do	8
	Rocky Mountain Bell Telephone Co	do	8
	Dubuque Telephone Co	do	18
	Poolar Monuteur Poll Tolorhoro Co	do	10
	Mississippi Valley Telephone Co of Iowa	do	15 6
	Lynchburg Telephone Co.	do	ä
	Independent Telephone Co	do	
	do New York Telephone Co. Pennsylvania Telephone Co The Chicago Telephone Co Peninsular Telephone Co Rocky Mountain Bell Telephone Co Dubuque Telephone Co. Columbus Citizens' Telephone Co. Rocky Mountain Bell Telephone Co. Rocky Mountain Bell Telephone Co. Kocky Mountain Bell Telephone Co. Lynchburg Telephone Co. Lynchburg Telephone Co. Lindependent Telephone Co. The City and Suburban Telegraph Association. Southern Bell Telephone and Telegraph	dodo	21 20
	Co. Union Trust Co., receivers of Michigan		28
	Telephone Co.		
	Nebraska Telephone Co Idaho Independent Telephone Co. (Lim- ited).	do	16 4
	The Gordon Telephone Co	do	9
	Chicago Telephone Co	do	15
	Chicago Telephone Co J. J. Gray Chesapeake and Ohio Rwy. Co	Drayage, etc	5
	Chicago, St. Paul, Minneapolis and Omaha	do	8 26
	Rwy. Co. F. J. Walz	Traveling expenses	115
1903. uly 10	E.R. Demain	Station expenses	2
	Thos. Gibson L. H. Murdoch	Post-office box rent	3 27
	D. P. McCallum	do	18
	Los Angeles Trust Co	Office rent	195
	D. P. McCallum Los Angeles Trust Co. A. W. Kennie	do	75
	A. W. Kennie Walter Talbot Consolidated Improvement Co J. L. Connell J. R. Hunter, agent Asheville Library Association Henry Bolton Ed. S. Hughes & Co American Surety Co D. B. Dodge Chamber of Commerce Building Co W. H. Dann	do	120 165
	J. L. Connell	do	118
	J. R. Hunter, agent	do	279
	Asheville Library Association	do	32
	Henry Bolton	do	52 95
	American Surety Co	do	625
	D. B. Dodge	do	59
	Chamber of Commerce Building Co	do	93
	W. H. Dann	do	72 75
	J. B. Smith Board of county commissioners, Humboldt County, Nev.		67
	The Hayden Co	do	300
	City of Palestine, Tex	do	78 82
	A. J. Knight	do	82 94
	C. J. Buell Dyal Upchurch Investment Co	do	187
	Improvement Loan and Trust Co	do	150
	Margaret Parmentier	do	74
	First National Bank O. I. Taylor	00 do	$\frac{126}{57}$
	T.D. Miracle	do	$\frac{37}{147}$

Date.	Name.	Nature of payment.	Total.
1009	Supplemental—Continued.		
1903. July 15	Bank of Wytheville H. H. Taylor, agent, Mills Building F. L. Keating Albert Marty Society for Savings J. K. Porter Emily Culbertson Union Trust Building Co. (Limited) Indianapolis Gas Co. P. A. Willis Washburn Electric Light and Power Co. Alpena Electric Light Co. Lake City Electric Railway Co. Improvement Loan and Trust Co. City of Lake City. Agricultural and Mechanical College of Kentucky.	Office rent	\$100.00
oury 10	H. H. Taylor, agent, Mills Building	do	322.50
	F. L. Keating	do	90.00
	Albert Marty	do	165.00
	Society for Savings	00	285, 00 150, 00
	Emily Culbertson	do	127.50
	Union Trust Building Co. (Limited)	do	167.50
	Indianapolis Gas Co	do	256. 25 10. 00
	P. A. Willis	Rent of roof for flagstaff	10.00
	Alpena Fleetric Light Co	do	5.00
	Lake City Electric Railway Co.	do	9.00
	Improvement Loan and Trust Co	do	8. 75 7. 50
	City of Lake City.	do	7.50
	Agricultural and Mechanical College of	do	4.00
	Kentucky. Sheboygan Light, Power, and Railway Co- Georgetown Electric Co Charleston Consolidated Gas and Electric	do	7.50
	Georgetown Electric Co	dodo	8. 75
	Charleston Consolidated Gas and Electric	do	8. 75 8. 75
	Co.		
	do Ashland Light, Power, and Street Railway	do	8. 75 17. 50
	Co		11.00
	Com do Electric Light Co	do	7.50
	Sands Electric Light Co Tampa Electric Co Green Bay Light and Power Co Grand Haven City Electric Light Co O. C. G. Urban Annapolis Gas and Electric Light Co Menominee Electric Light, Railway, and	do	3.00
*	Green Bay Light and Power Co	do	6.25
	O. C. G. Urban	do	9.00 4.00
	Annapolis Gas and Electric Light Co	do	9,00
	Menominee Electric Light, Railway, and	do	9,00 3,50
	Power Co.	1	0.00
1	Marais Lumber Co	do	6.00
	E A Hughes	do	37.50 9.00
	Cumberland Electric Light and Power Co.	Electric current	15.00
	Max Levy	do	30.00
	Power Co. Marais Lumber Co. Consolidated Electric Light Co. E.A. Hughes Cumberland Electric Light and Power Co. Max Levy The Milwaukee Electric Railway and	do	7.52
	Light Co. The Ralaigh Flactric Co.	do	4.50
	Statesman Printing Co.	Printing bulletins.	101.50
	Williams & Wilkins Co	do	22.50 52.00 96.00
	The R. L. Bryan Co	do	52.00
	Naggolo & Co	do	90.00
	E. A. Slack	do	29.50 27.00 36.00
	E. D. Beattie	do	36.00
	John Longstaff	do	42.00
	Dunn & Lemmon	Washing towals	30.00
	C A Johnson	do	. 75 3, 00
	A. Klein	do	2.00
	M. T. Hayden	do	3.00
	The Milwaukee Electric Ranway and Light Co. The Raleigh Electric Co Statesman Printing Co. Williams & Wilkins Co The R. L. Bryan Co Arizona Publishing Co Naegele & Co. E. A. Slack E. D. Beattie John Longstaff Dunn & Lemmon J. E. Garrett C. A. Johnson A. Rlein M. T. Hayden Omaha Towel Co Mary Fantleroy L. Wilson Baltimore Towel Supply Co Jacksonville Towel Co J. F. Beck The Silver State Towel Supply Co The American Toilet Supply Co New England Telephone and Telegraph Co. Cumberland Telephone and Telegraph Co	do	3.00
	L Wilson	do	$\frac{1.50}{1.50}$
	Baltimore Towel Supply Co	do	2. 25 3. 00 3. 00
	Jacksonville Towel Co	do	3.00
	J.F.Beck	do	3.00
	The American Toilet Supply Co	Towel service	3.00 2.25
	New England Telephone and Telegraph	Telephone services	8, 25
	Co.	1	
	Cumberland Telephone and Telegraph Co.	do	21.00
	Interstate Telephone and Telegraph Co	do	4. 50
	Cumberland Telephone and Telegraph Co	do	4.50 24.00 16.50
	Consolidated Telephone Co	do	5.00
	Co. Cumberland Telephone and Telegraph Co. Interstate Telephone and Telegraph Co. R. L. Lewis Cumberland Telephone and Telegraph Co. Consolidated Telephone Co. Wisconsin Telephone Co. Central New York Telephone and Telegraph Co. The Northwestern Telephone Exchange Co.	do	5.00 28.60 20.00
	Central New York Telephone and Tele-	do	20.00
	The Northwestern Telephone Evchance Co.	do	18.00
	Cumberland Telephone and Telegraph Co.	do	19.50
	The Louisville Home Telephone Co	do	12.00
	Southern Bell Telephone and Telegraph Co.	do	12.00 7.50
	Vork State Telephone Co	do	
	New York and Pennsylvania Telephone	do	7.50 7.50
	graph Co. The NorthwesternTelephone Exchange Co- Cumberland Telephone and Telegraph Co- The Louisville Home Telephone Co- Southern Bell Telephone and Telegraph Co- Duluth Telephone Co- York State Telephone Co- New York and Pennsylvania Telephone and Telegraph Co.		50

# $Expenditures of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30,1903-Cont'd.$

Date.	Name.	Nature of payment.	Total
	Supplemental—Continued.		
1903. ıly 15	Nebraska Telephone Co The Diamond State Telephone Co Peoples' Telephone and Telegraph Co East Tennessee Telephone Co Missouri and Kansas Telephone Co Mutual Telephone Co Columbia Telephone Co Sunset Telephone and Telegraph Co Capital Telephone and Telegraph Co The Consolidated Telephone Cos. of Pennsylvania.	Tolophone sauriees	c++>0
шу 15	The Diamond State Telephone Co	do	\$22 6
	Peoples' Telephone and Telegraph Co	do	6 7 9
	East Tennessee Telephone Co	do	9
	Missouri and Kansas Telephone Co	do	6 11
	Mutual Telephone Co	do	11
	Columbia Telephone Co.	do	6
	Sunset Telephone and Telegraph Co	do	15
	The Consolidated Telephone Cos of Pour	do	4 9
	sylvania.		ð
	Southern Bell Telephone and Telegraph Co- Union Trust Co., receiver Michigan Tele-	do	4
	Union Trust Co., receiver Michigan Tele-	do	42
	phone Co.		
	do	do	113
	Wisconsin Telephone Co	do	12
	The Colorado Telephone Co	do	28
	Pacific States Telephone and Telegraph Co.	do	9
	Cumberland Telephone and Telegraph Co.	do	21 10
	Larned Telephone Co.	do	10
	Cumberland Telephone and Talagraph Co.	do	12
	Amarillo Telephone Exchange	do	4
	Black Hills Telegraph and Telephone Co	do	21
	East Tennessee Telephone Co	do	12
	The Colorado Telephone Co	do	18
	Zenith City Telephone Co	do	7
	E.S. Allen	do	7
	East Tennessee Telephone Co	do	(
	Fayette Home Telephone Co	do	4
	Polostina Tolonhona Co	do	15
	Wythovillo Telephone Co	do	6
	Supert Telephone and Telegraph Co	do	18
	Asheville Telephone Co	do	15
	Missouri and Kansas Telephone Co	do	30
	Hudson River Telephone Co	do	16
	Sunset Telephone and Telegraph Co	do	(
	Chesapeake and Potomac Telephone Co	do	31
	Santa Fe Electric Telephone Co	do	30
	Pacific States Telephone and Telegraph Co.	do	30
	The Cleveland Telephone Co	Tillti-	30
	Fort Smith Light and Treation Co	Electric current	12
	Electric Lighting Co. of Mobile	do	
	Minneapolis General Electric Co	do	15
	Escanaba Municipal Lighting Plants	Electric light	
	Electric Light Co., Manitowoc, Wis	do	9
	Rockingham County Light and Power Co.	do	12 45
	Vicksburg Herald	Printing bulletins	45
	Summers Printing Co	do	19
	The Times-Journal Publishing Co	Cos	18
	Standard Gas and Floatric Co	do	16
	New Orleans Lighting Co. lessee	do	12 12 13
	People's Gaslight and Coke Co	do	11
	Fowler Manufacturing Co. (Limited)	Towel service	1
	Nashville Laundry Co	do	
	W.G. Harwood	Ice	
	Johnson & Johnson	do	
	Clem Jaycocks	do	9
	American Ice Co	do	
	T. B. Satterwhite	do	1 2
	Goo A von Pluchon	do	4
	R J Sherry	do	2
	Ithaca Ice Co	do	1
	The Union Ice Co	do	1
	The Farmers' National Bank of Fresno	Office rent	94
	J. G. Hatch	do	64 125
	Northwestern Mutual Life Insurance Co.,	do	125
	of Milwaukee, Wis.		
	of Milwaukee, Wis. Joseph Bryan David Cuthbertson	do	150
	sylvania. Southern Bell Telephone and Telegraph Co. Union Trust Co., receiver Michigan Telephone Co. do. do. Wisconsin Telephone Co The Colorado Telephone Co Pacific States Telephone and Telegraph Co. Southern Bell Telephone and Telegraph Co. Cumberland Telephone Exchange Black Hills Telegraph and Telephone Co. East Tennessee Telephone Co Covenith City Telephone Co East Tennessee Telephone Co East Tennessee Telephone Co Covenith City Telephone Co East Tennessee Telephone Co Sunsat Telephone Co Palestine Telephone Co Sunsat Telephone Co Sunsat Telephone Co Missouri and Kansas Telephone Co Sunsat Telephone and Telegraph Co Chesapeake and Potomac Telephone Co Sunsat Telephone and Telegraph Co Chesapeake and Potomac Telephone Co Santa Fe Electric Telephone Co Duluth General Electric Co Duluth General Electric Co Fort Smith Light and Traction Co Electric Lighting Co, of Mobile Minneapolis General Electric Co Scanaba Municipal Lighting Plants Electric Lighting Co, Manitowoc, Wis Rockingham County Light and Power Co Vicksburg Herald. Summers Printing Co The Times-Journal Publishing Co Standard Gas and Electric Co New Orleans Lighting Co, (Limited) Nashville Laundry Co W. G. Harwood Johnson & Johnson Clem Jaycocks American Ice Co The Satterwhite The Consumers Co Geo. A. von Blucher B. J. Sherry Ithaca Ice Co The Farmers' National Bank of Fresno. J. G. Hatch Northwestern Mutual Life Insurance Co. of Milwankee, Wis Joseph Bryan David Cuthberson	do Station expenses Drayage Drayage, etc Drayage Drayage, etc Drayage, etc Telephone rent, etc	1
	L. A. Denson	Drayage	90
	David Cutmoertson L. A. Denson C. F. von Herrmann G. N. Wilson R. M. Hardinge E. L. Renoe	Drayage, etc	22 1
	G.N. WIISON	Drayage	1

Date.	Name.	Nature of payment.	Total.
	Supplemental—Continued.		
1903.	W C P	Ct-ti	210
ıly 15	Wm. G. Burns Washington Ellis Alpena, substations Macon, substations L. J. Hoffman & Co L. H. J. Ones & Co C. B. Little	Station expenses	\$10. 9.
	Alpena substations	Services Pay roll	105.
	Macon substations	do	39.
	L.J. Hoffman & Co	do Repairing gas burners Recasting rollers	6.
	L.H. Jones & Co	Recasting rollers	2.
	C. B. Little	Water supply	2. 11.
	L. H. Jones & Co C. B. Little Louis Hendricks R. J. M. Only R. E. Wager Ches. D. Page	Repairing telegraph line	10.
	R. J. M. Only	Repairing river gauge	3.
	R. E. Wager	Removing furniture, etc	90.
	Chas. D. Page Jos. Fredericks & Co Gamble & Ludwig	Drayage Bedstead, mattress, etc	1.
	Comble & Ludwig	Gasoline	40.
		TI - non- o loin o	30.
	Tarbett Phenister Co	Flage pulleye and shaft	7.
	Tarbett Phenister Co Proescher & Sherwood Western Union Telegraph Co Chas. Risdon Electric Co Pacific States Telephone and Telegraph Co Wm. McLaughlin Mack Wellman	Flags, pulleys, and shaft. Repairing building, etc Repairing telegraph line Electric desk fans. Rent of underground conduit.	400.
	Western Union Telegraph Co	Repairing telegraph line	14.
	Chas, Risdon Electric Co	Electric desk fans	30.
	Pacific States Telephone and Telegraph Co.	Rent of underground conduit	35.
	Wm. McLaughlin	Dravage	6.
	Mack Wellman	Painting river gauge	7.
	n.r. burdick	Packing and moving instru-	85.
	-	Drayage Painting river gauge Packing and moving instruments and furniture.	
	Werner Bros	Oil	2.
	Marquette Hardware Co	White lead Painting instrument shelter	1.
	J.T. Keyle	Painting instrument shelter	1. 13. 12.
	Norioik Farm Supply Co	Rubber hose	13.
	C. P. Wilson & Co.	Bookcase	12.
	I A Appler	Bookcase Repairing river gauge City directory, San Antonio Carpet Drayage Repairing electric fan Gasoline Constructing chimney Constructing concrete walk Paper	10.
	Oren Hooner's Sons	Carnet	51
	Robert Little	Dravaga	2. 51. 2. 2.
	Phoenix Light and Fuel Co	Renairing electric fan	9
	N. D. Winslow	Gasoline	ĩ.
	Shobid Hunter	Constructing chimney	8.
	A. M. Ferguson	Constructing concrete walk	8. 200.
	Bradner, Smith & Co	Paper	19.
	T. Kiel	Packing furniture	9
	Drysdale & Hall	Stereotype headings	3. 3.
	Werner Bros Marquette Hardware Co J. T. Keyle Norfolk Farm Supply Co Maddrey & Kenyon Furniture Co G. B. Wilson & Co J. A. Appler Oren Hooper's Sons Robert Little Phoenix Light and Fuel Co N. D. Winslow Shobid Hunter A. M. Ferguson Bradner, Smith & Co T. Kiel Drysdale & Hall Board of Public Works, Sault Ste. Marie, Mich.	Paper Packing furniture Stereotype headings Water supply	3.
	J. S. Stahl	Repairing typewriter	4.
	Consolidated Gas Co	Gas	6.
	W. B. Lount	Ice	
	The Huron Ice Co	do	3.
	Consumers Ice Co	do	4.
	C.G. Le Clair	do	1.
	Oklahoma Ice and Cold Storage Co	do	5. 3.
	Donnson & Ramdonr	Tal - doi: 1i -le t	3.
	J. S. Stahl Consolidated Gas Co W. B. Lount. The Huron Ice Co Consumers Ice Co C. G. Le Clair Oklahoma Ice and Cold Storage Co Johnson & Ramdohr Board of Fire and Water Commissioners Bennett Printing House S. S. Bassler	Printing bulleting	5.
	S. S. Bassler	Adjusting typewriter	52.
	J. C. Hayden	Adjusting typewriter Linoleum varnish	
	S.S. Bassler J. C. Hayden Al. Brand	Electric light and repairs to	21.
	H F Alms	building. Drayage, laying carpet, etc	17.
	S. W. Glenn	Dravage etc	3.
	Albert Ashenberger	Dravage	
	H.F. Alps S. W. Glenn Albert Ashenberger F.P. Chaffee	Drayage, etc. Drayage Repairing clock, etc.	2.
	Geo. Hass Hagen L. N. Jesunofsky J. N. Ryker J. T. Myers J. L. Welch	Rent of post-office box Drayagedo Services	
	L. N. Jesunofsky	Drayage	
	J. N. Ryker	do	3.
	J. T. Myers	Services	3. 15.
	J. L. Welch	Freight charges	3.
	Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.	Freight charges	41.
	Chicago Milwaulzo and St Daul Dwg Co	do	5.
20	T.F. Townsend	Traveling expenses	Э.
	G. W. Felger	do	9.
	T.F. Townsend G.W. Felger W.M. Fulton J.J. Kelliher	do	14.
	J.J. Kelliher	Dravage	1.
	E. A. Beals	do	5.
	J. J. Kelliher E. A. Beals H. B. Hersey J. M. Sherier	do	7.
	J. M. Sherier	Station expenses	7. 1.
	J. E. Cotter R. J. McMaster Chicago, substations Norfolk, substations	Services	15.
	R.J. McMaster	do	15.
			343. 120.

# Expenditures of Department of Agriculture for year ending June 30, 1903—Cont'd. GENERAL EXPENSES, WEATHER BUREAU—Continued.

Date.	Name.	Nature of payment.	Total
	. $Supplemental$ —Continued.		
1903.			
ıly 20	New Haven, substations Pensacola, substations Central District and Printing Telegraph	Pay roll	\$48
	Control District and Printing Tolograph	Talagraph garriagg	36 35
			99
	West Virginia Western Telephone Co New York and Pennsylvania Telephone and Telegraph Co.	do	4
	New York and Penusylvania Telephone	do	$1\hat{2}$
	and Telegraph Co.		
	Union Trust Co., receiver	do Type Table Repairing telegraph line Recasting rollers Repairing river gauge Barometer screws Benzine Passenger transportation do Gas do	19
	American Type Founders Co	Type	1
	Jos. Fredericks & Co	Table	8
	R. H. Williamson	Regarding rellers	5
	D. J. Hash	Renairing river gauge	18
	Julien P. Friez	Barometer screws	1.5
	John Jones & Bro	Benzine	
	Grand Rapids and Indiana Rwy. Co	Passenger transportation	$\frac{15}{29}$
	Chicago, Rock Island and Pacific Rwy. Co.	do	29
	Galveston Gas Co	Gas	11
	Nashville Gas Co	do	8
	and Telegraph Co. Union Trust Co., receiver. American Type Founders Co. Jos. Fredericks & Co R. H. Williamson R. H. Vorpahl D. J. Hash Julien P. Friez John Jones & Bro Grand Rapids and Indiana Rwy. Co. Chicago, Rock Island and Pacific Rwy. Co. Galveston Gas Co Nashville Gas Co Indianapolis Light and Power Co Edison Sault Electric Co. D. Swinehart	Electric current	18
	D. Swinehart	Tee	6
	D. Swinehart Eastern Towel Supply Co Williamson Towel Supply Co Long's Towel Supply Co Bank of Tehama Co. J. A. Ubsdell John Semer Charles Baldwin Mill Valley and Mount Tamalpais Scenic Rwy	do Electric current. Electric light Ice Towel service	6
	Williamson Towel Supply Co.	do	9
	Long's Towel Supply Co	Washing towels	į
	Bank of Tehama Co	Office rent	96
	J. A. Ubsdell	Ground rent	10
	John Semer	Office rent	112
- 5	Charles Baldwin	do	112 112 105
	Rwy.	do	100
	Tacoma Chamber of Commerce and Board	do	75
	of Trade		, .
	G. W. O'Brien	do	18
	E. L. Renoe	do	150
	P. McDonough	Station expenses	5
	N. R. Taylor	Drayage	_1
	Charleston, substations	Payroll	30
	Unicago, substations	do	540
	Robert Humo	Sarvices	162 15
	M A Webster	. do	16
	S. W. Lightner	do	30
	J. E. Harris, jr	do	17 27
	Enterprise Ice Co	Ice	
	E. A. Born	Electric light	27
	Dora Moyen	Washing towels	t
	Northwestern Telephone Exchange Co	Telephone services	21 15
	Northwestern Telephone Evelence Co	do	12
	La Crosse Telephone Co	do	7
	Northwestern Telephone Exchange Co	do	Ç
	Rwy. Tacoma Chamber of Commerce and Board of Trade. G. W. O'Brien E. L. Renoe P. McDonough N. R. Taylor Charleston, substations Chicago, substations Buffalo, substations Robert Hume M. A. Webster S. W. Lightner J. E. Harris, jr Enterprise Ice Co E. A. Born Dora Moyen Northwestern Telephone Exchange Co. Ontario Telephone Co Northwestern Telephone Exchange Co. La Crosse Telephone Co Northwestern Telephone Exchange Co. Southern Bell Telephone and Telegraph Co The Empire State Telephone and Telegraph Co Wisconsin Telephone Co. D. J. Pine & Co. D. J. Pine & Co. D. J. Pine & Co. D. D. J. Pine & Co. D. D. J. Pine & Co. D. J. Pine D. L. Pine D. Pine	do	8
	The Empire State Telephone and Tele-	do	7
	graph Co.	7	
	Wisconsin Telephone Co	do	37
	graph Co. Wisconsin Telephone Co. D. J. Pine & Co. American Type Founders Co. Cooley Bros. J. W. Byram	Laying cable Type	37
	Cooley Prog	Removal of instruments, etc	30 45
	I W Byrom	Station expenses	16
	J. P. Bolton	Telephone services etc	16 26
	J. W. Cronk	Dravage, etc.	i
	J. C. Piercy	Drayage	1
	L. H. Daingerfield	Station expenses	1
	G. M. Chappel	Repairing typewriter	1
	J. W. Byraiii J. P. Bolton J. W. Cronk J. C. Piercy L. H. Daingerfield G. M. Chappel E. C. Easton J. W. Bauer	Freight charges	
	J. W. Bauer	Drayage and washing towels	2
	A. F. Haakott	Station expenses	2
	G B Wurtz	do	2 2 3 1
	W. M. Wilson	Dravage, etc	5
	F. A. Carpenter	Drayage	- 8
	F. H. Clarke	do	3
	T D (1)	Station ownonces	
	J. P. Slaughter	Station expenses	
	J. P. Slaughter W. S. Belden	Station expenses Telephone services, etc Drayage, etc Drayage, etc Station expenses Repairing typewriter Freight charges Drayage and washing towels Drayage, etc Station expenses do Drayage, etc Drayage, etc Drayage do Station expenses do do Station expenses	12
	J. W. Bauer J. L. Cline A. E. Hackett G. B. Wurtz W. M. Wilson F. A. Carpenter F. H. Clarke J. P. Slaughter W. S. Belden Philadelphia, substations do Harrisburg, substations New York, substations	Pay roll	12 69 36

# $\label{lem:expenditures} \textit{Expenditures of Department of Agriculture for year ending June 30, 1903} - \texttt{Cont'd}.$

Date.	Name.	Nature of payment.	Total.
	Supplemental—Continued.		
1903.	Charleston cubstations	Per roll	9.18 6
uly 20	Charleston, substations Jacksonville, substations Omaha, substations	do	\$48, 6 75, 0
	Omaha, substations	do	45.1
	A. G. Miley	do Services	9. 0 15. 0
	A. G. Miley Mill Valley and Mount Tamalpais Scenic	Services	15.0
	Rwy.	2	00.0
	L. C. Collins	Team hire	30.0
	W.H. H. Sillitii	Motor	4.0 56.0
	Gather Drahart & Parking Co	Type	39.6
	Flint & Walling Manufacturing Co	Storm-warning tower	62.1
	R. McDonald	Erecting platform	10.5
	Duluth Van and Storage Co	Drayage	1.0 12.0
	Mill Valley and Mount Tamalpais Scenic Rwy. L. C. Collins. W. H. H. Smith C. Schneider's Sons. Gether, Drebert & Perkins Co- Flint & Walling Manufacturing Co- R. McDonald Duluth Van and Storage Co- The Southwestern Telegraph and Tele- phone Co.	Motor Type Storm-warning tower Erecting platform Drayage Telephone services	12.0
	phone Co.	do	9.0
	Sunsat Telephone and Telegraph Co	do	6.0
	Southwestern Telegraph and Telephone Co.	do	15.0
	New England Telephone and Telegraph Co.	do	14.2
	Electrical Supply and Construction Co	Electric light	3.8
	Kentucky Steam Laundry	Washing towels	1.5
	Daniel W. King	do	1.5
	Laura E. Scarr	do	$ \begin{array}{c} 1.5 \\ 50.0 \end{array} $
	U.J. Pease	Painting building	195.0
	phone Cododo Sunset Telephone and Telegraph Co. Southwestern Telegraph and Telephone Co New England Telephone and Telegraph Co. Electrical Supply and Construction Co Kentucky Steam Laundry. Daniel W. King. Laura E. Scarr C. J. Pease E. D. Osborne. L. C. Buhne, M. C. Pratt, G. C. Buhne and S. C. Buhne. W. E. Conway	omce rent	125.0 92.2 37.7
	S.C. Buhne		37.7
	M. E. Conway	do	
	H. B. Dick	Station expenses	11.0
	G. A. Loveland	do	14.6
	W.T.Blythe	do	20. 2 17. 5
	N. B. Conger	do	17.0
	D. M. Goddings	Drayage and repairing clock	3.9
	Louisville substations	Pay roll	8. 2 290. 8
	Columbus substations	do	271.8
	Memphis, substations	do	271. 8 182, 4 236, 2
	Des Moines, substations	do	236. 2
	Omaha, substations	do	235 6
	Cleveland, substations	do	225.0
	Vicksburg, substations	do	225. 0 91. 0 72. 0
	Duluth enhetations	do	150.0
	Milwaukee substations	do	180.0
	Portland, substations	do	150. 0 167. 2
	Atlanta, substations.	do	167. 2
	do	do	21.0 72.5 7.5
	do	do	72. 0
	Home Telephone Co.	Telephone services	4.0
	Pocky Mountain Ball Talanhana Co	do	5. 0 12. 0
	Sunset Telephone and Telegraph Co	do	4 7
	Iowa Telephone Co	do	4. 7 30. 0
22	E. D. Osborne L. C. Buhne, M. C. Pratt, G. C. Buhne and S. C. Buhne, M. E. Conway H. B. Dick G. A. Loveland W. T. Blythe N. B. Conger J. B. Marbury R. M. Geddings Louisville, substations Columbus, substations Columbus, substations Des Moines, substations Omaha, substations Omaha, substations Vicksburg, substations Wilmington, substations Wilmington, substations Wilmington, substations Milwaukee, substations Milwaukee, substations Outleth, substations Odo Home Telephone Co. Georgia Telephone and Telegraph Co. Rocky Mountain Bell Telephone Co. Georgia Telephone and Telegraph Co. Iowa Telephone Co. Georgia Telephone and Telegraph Co. Cowa Telephone and Telegraph Co. Cowa Telephone and Telegraph Co. Cowa Telephone and Telegraph Co. Comberland Telephone and Telegraph Co. F. G. Blaisdell Peoples' Gas and Electric Co. of Oswego Valley Paper Co. Che Waterbury Battery Co. do Eberhard Faber A. F. Buchanan C. P. Bliggin Co. F. S. Ewing McCormick & Bates	do	10.0
	Cumberland Telephone and Telegraph Co.	do	10.5
	F. G. Blaisdell	do	16, 5
	Peoples Gas and Electric Co. of Oswego	Electric light	5.7
	The Waterbury Rettery Co	Pottory rocherges	202 7
	do .	do	32. 9 393. 7 175. 0 17. 0
	Eberhard Faber	Pencils	17. 0
	A. F. Buchanan	Constructing river gauge	10.0 1.847.0 9.2
	C. P. Biggin Co.	Weather-map shelter	1.847.0
	F. S. Ewing	Ice	9.2
	McCormick & Bates	Drayage	.5
	Koy West Floatrie Light and Power Co	Floatric light	101.5 7.0
		Electric light	21.5
	Norwich University		
	Norwich University The Marine Review Publishing Co	Subscription	20.0
	Norwich University The Marine Review Publishing Co. The Tyree and Shipping (American) (Lim-	Steam heat and electric light— Subscription————————————————————————————————————	20. 0 96. 6
	Norwich University The Marine Review Publishing Co. The Tyree and Shipping (American) (Limited).	Drayage Type Electric light Steam heat and electric light Subscription do	20. 0 96. 6
	O. I. Mairs	Office rent	20. 0 96. 6 90. 0
	O. I. Mairs	Office rent	20. 0 96. 6 90. 0
	O. I. Mairs First National Bank of Moorhead B. S. Williams	Office rent	20. 0 96. 6 90. 0 66. 3 73. 0
	O. I. Mairs First National Bank of Moorhead B. S. Williams	Office rent	20. 0 96. 6 90. 0 66. 3 73. 0 18. 7
	O. I. Mairs First National Bank of Moorhead B. S. Williams	Office rent	20. 0 96. 6 90. 0 66. 3 73. 0 18. 7 27. 6
	O. I. Mairs	Office rent	20. 0 96. 6 90. 0 66. 3 73. 0 18. 7

Date.	Name.	Nature of payment.	Tota
	Supplemental—Continued.		
1903.			
ıly 22	T. A. Boon	Services	\$25
	John Hyslop	do	. 30
	John Hyslop C. P. Searle New Orleans, substations Houghton, substations Now Orleans, substations Montgomery, substations Montgomery, substations Augusta, substations Savannah, substations Indianapolis, substations Indianapolis, substations Baltimore, substations Baltimore, substations Galveston, substations Boston, substations Toffelmire & Gentrydo F. E. Hamel New Orleans, substations Sault Ste, Marie, substations Sault Ste, Marie, substations Sault Ste, Marie, substations E. A. Brown	do	30
	New Orieans, substations	Pay roll	198
	More Ordeons substations	00	60
	Montgomery substations	do	105
	Augusta substations	do	135 136
	Savannah cubetatione	do	166
	Indianapolis substations	do	166 181
	Minneapolis substations	do	343
	Baltimore substations	do	. 90
	Galveston, substations	do	410
	Boston, substations	do	410 719
27	Toffelmire & Gentry	Erecting flag pole	15
	do	Reinstalling instruments	10
31	F. E. Hamel	Traveling expenses	136
	New Orleans, substations	Pay roll	136
	Sault Ste. Marie, substations	do	135
	W. S. Palmer	Cleaning carpet, etc	1
	E. A. Brown	Station expenses	]
	Cumberland Telephone and Telegraph Co.	Telephone services	48
	H.J. Ledoux	Drinking water	
	western Telephone Manufacturing Co	Desk and wall telephones	38
	Eileann Program Power Co	Water	4
	W. S. Palmer E. A. Brown. Cumberland Telephone and Telegraph Co. H. J. Ledoux Western Telephone Manufacturing Co. Amarillo Light and Power Co. Filmann Bros. J. W. Eagleson. Salt Lake Ice Co. New London Gas and Electric Light Co. Fall River Electric Light Co. New London Gas and Carrollton Railroad, Light, and Power Co. Phoenix Light and Fuel Co. Geo. M. Chappel G. W. Felger R. H. Dean. W. L. Day. The Schnepp and Lauer Co.	Lee	
	Solt Lake Lee Co	do	
	New London Gas and Electric Light Co	Electric light	4
	Fall River Electric Light Co	do	12
	New Orleans and Carrollton Railroad	do	É
	Light and Power Co.		
	Phoenix Light and Fuel Co	do	Ē
	Geo. M. Chappel	Dravage	ě
	G. W. Felger	do	2
	R. H. Dean	do	5
	W. L. Day	Horse hire and drayage	6
	The Schnepp and Lauer Co	Printing climate and crop bul-	30
		letins.	
	Robt. Tyler Kansas Farmer Co The Garrett Printing Co. Cape May Light and Power Co. Power Department, Bayfield, Wis Houghton County Electric Light Co. Needham Bros Louisville and Nashville R. R. Co. The Pacific Transfer Co.	do	12
	Kansas Farmer Co	do	40
	The Garrett Printing Co	do	55
	Cape May Light and Power Co	Electric light	
	Power Department, Bayneld, Wis	do	5
	Mandham Dans	Washing towals	,
	Louisville and Nachville P. P. Co	Pagangar transportation	ç
	The Pacific Transfer Co	Drayage	18
	D D Cmith	Closning piyon gango	10
	E H Furbuch	Dravage	10
	W B Moses & Sons	Cleaning river gauge Drayage Casting for chair	18
	The Smith Premier Typewriter Co	Repairing typewriter	15
	L. C. Gibson	Drayage	i.
	W. B. Moses & Sons. The Smith Premier Typewriter Co. L. C. Gibson Bryant & Douglas Book and Stationery Co. The Abstraction of the Comment of	Ink	10
	The Analitic City Sewerage (0	Sewer rent	10
	Marine Journal Co	Subscription	14
	Geo. McCune	Cleaning clock	197
	Little Rock substations	Pay roll	197
	Kansas City substations	do	309
	Mobile, substations Wilmington, substations	do	118
	Wilmington, substations	]do	100
	Savannah, substations	do	188 198
	St. Louis, substations	do	187
	Cincinnati, substations Oklahoma, substations Oklahoma, substations	do	198
	Oklanoma, substations	d0	151 30
	Galveston, substations P. Connor	Confono	)G
	Potor Wood	Coal ate	
	Peter Wood.  H. Hamilton The Marine Review Publishing Co M. E. Shelden. Seaboard Air Line Rwy Chicago and Northwestern Rwy. Co Rome, Watertown and Ogdensburg R. R. Chicago, Burlington and Quincy Rwy. Co.	Sarvigas	15
	The Marine Review Publishing Co.	Subscription	57
	M E Shelden	Office rent	99
	Seaboard Air Line Rwy	Freight charges	7
	Chicago and Northwestern Rwy Co	do	7
	Rome. Watertown and Oodenshure R. R.	do	2
	Chicago, Burlington and Quiney Rwy Co	do	8
	Erie B. B. Co	do	
	Erie R. R. Co Fremont, Elkhorn and Missouri Valley	do	1
	R. R. Co. Delaware, Lackawanna and Western R. R.		
		-	

te.	Name.	Nature of payment.	Total
	Supplemental—Continued.		
3.	Texas and Pacific Rwy. Co. Chicago, Milwaukee and St. Paul Rwy. Co. Vancouver Transportation Co. Pennsylvania R. R. Co. Schooner White Scudd Baltimore and Ohio Southwestern R. R. Co. Louisville and Nashville R. R. Co. D. F. Parker Woodward & Lothrop National Printers' Supply Co. James B. Lambie F. A. Schmidt	Evojekt chowers	÷0.
31	Chicago Milwankee and St. Paul Rwy Co.	do	§9.
	Vancouver Transportation Co.	do	2.
	Pennsylvania R. R. Co.	do	
	Schooner White Scudd	do	15.
	Louisville and Mashville P. P. Co.	do	1.
	D F Parker	Stencil naner	4. 425.
	Woodward & Lothrop	Desks, chairs, etc.	4.3
	National Printers' Supply Co	Mallet	
	James B. Lambie	Excelsior Crayon Tin pipe	9. 50. 3.
	F. A. Schmidt	Crayon	50.
	John Moran United States Express Co Southern Rwy, Co. Herman Baumgarten	Express charges	12.
	Southern Rwy. Co.	Express charges Passenger transportation	59.
	Herman-Baumgarten	Rubber stamps	2.
		go.	
	Southern Printers' Supply Co	Bellows	٠,٠
	do	Printing materials	4.
	American Writing Machine Co	Repairing typewriter	3. 17.
	do	Platen, etc.	2.
	do W. B. Moses & Sons	do Repairing typewriter Platen, etc Typewriters Window shades	216. 16.
	W. B. Moses & Sons	Window shades	16.
	do	Chairs	14. 39.
	do	Window shades	14.
	ldo	Table and chair	17.
	Marblehead Municipal Light Department.	Electric light	10.
	Kenosha Gas and Electric Co Asheville Electric Co	do do Pay rolldo	7. 1.
	Asheville Electric Co	Down poll	10
	Portland, Oreg., substations Cairo substations	do	144.
	Vicksburg substations	do	122. 86.
	W. E. Lee Townsend Gas and Electric Co	Constructing rain gauge	10.
	Townsend Gas and Electric Co	Electric light	7.
	W.G.Caw	Electric light Installing river gauge Repairing telegraph line	10.
	L. C. Hall  Fratarnal Hall Association	Office vent	2. 105.
	Fraternal Hall Association The Commercial Electric Co Southern Bell Telephone and Telegraph Co-	Office rent Electric light Telephone services Towel services	
	Southern Bell Telephone and Telegraph Co.	Telephone services	12. 7.
	Eugene Shepardson	Towel services	3.
	Conrad Schmidt	Services	6.
	C P Dieney	do	21. 21.
	New Bedford Gas and Edison Light Co	Electric light	11.
	W. H. Fallon	Drayage	2.
	St. Louis, substations	Pay roil	178.
	Boston, substations	do	108.
	Augusta, substations	do	30. 86.
	Southern Bell Telephone and Telegraph Co- Eugene Shepardson Conrad Schmidt N. W. Wagner C. P. Disney New Bedford Gas and Edison Light Co- W. H. Fallon St. Louis, substations Boston, substations Boston, substations Boston, substations San Francisco, substations Fort Smith, substations La Crosse, substations La Crosse, substations La Crosse, substations Later Cosse, substations Little Rock, substations Little Rock, substations Little Rock, substations Little Rock, substations Nashville, substations Nashville, substations Nashville, substations Nashville, substations Nashville, substations Nashville, substations Parkersburg, substations New Orleans, substations New Orleans, substations New Orleans, substations Mobile, substations Mobile, substations Motionery, substations L. J. Baker Estate of Chas. A. Pell, deceased N. D. Lane Sumner Hackett Walter W. Best J. R. Hobbs Marquette Co. Savings Bank Kathrina Wagner S. H. Quint's Sons Acme Publishing Co H. E. Chesnutt	do	39.
	La Crosse, substations	do	88.
	Shreveport, substations.	do	42.
	Galveston, substations	do	54. 59.
	Louisville, substations	do	59.
	Memphis substations	do	61. 51.
	Portland substations	do	90.
	Nashville, substations	do	73.
	Knoxville, substations	do	122. 72. 71.
	Parkersburg, substations	do	72.
	Von Orleans orbetations	do	71.
	Pittsburg substations	do	84. 326.
	Mobile, substations	do	71.
	Montgomery, substations	do	51.
	L. J. Baker	Services	7.
	Estate of Chas. A. Pell, deceased	Ctotion ornance	14.
	Sumner Hackett	Dravage	14. 8. 3.
	Walter W. Best	Repairing telegraph line	6.
	J. R. Hobbs	Team hire	9.
	Marquette Co. Savings Bank	Office rent	90.
	Kathrina Wagner	do	75.
	S. H. Quint's Sons	Brushes, crayon, sponges, etc	4.
	Acme Fublishing Co	Printing climate and crop bulletins.	33.
		Rubber hose, etc	14.

 $Expenditures \ of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30, 1903 - {\tt Cont'd}.$ 

Date.	Name.	Nature of payment.	Total
1000	Supplemental—Continued.		
1903. uly 31	Wm, H. O'Neal, jr W. N. Tillett A. E. McClellan The General Cartage and Storage Co Crystal Ice Co. The Citizens' Gas and Electric Co. The Waier Department of Atlantic City H. B. Hartman Neil Eggenson	Team hire	\$4.
uij oi	W.N. Tillett	Constructing river gauge	2. 6.
	A. E. McClellan	Constructing river gauge	6.
	Crystal Ice Co	Drayage	3. 2.
	The Citizens' Gas and Electric Co	Ice Electric light Waterdo	8. 24.
	The Water Department of Atlantic City	Water	24.
	Neil Ferguson W. R. Johnson Pacific States Telephone and Telegraph Co. M. G. Copeland Co. John C. Parker	do Drayage Services Telephone services Pennants Lead pencils Carbon paper Typewriter Box supports Engraving plates Services do Pay roll Pipe, Russian Constructing vestibule Binding maps	5. 1.
	W. R. Johnson	Services	14. 25.
	Pacific States Telephone and Telegraph Co.	Telephone services	25. 9.
	John C. Parker	Lead pencils	155.
	do	Carbon paper	1.7
	John C. Parkerdo The Smith Premier Typewriter Co J. Edward Turton Maurice Joyce Engraving Co. G. W. Myers W. A. Crawford Sioux City, substations Z. C. Miles & Piper Co. C. F. Rogers Owen Gernon R. G. Sleater	Typewriter	7. 69.
	Maurice Jovce Engraving Co	Engraving plates	2
	G. W. Myers	Services	21. 21.
	W. A. Crawford	Pow well	1. 84.
	Z. C. Miles & Piper Co.	Pipe, Russian	4
	C. F. Rogers	Constructing vestibule	15
	Owen Gernon	Binding maps Printing climate and crop bul-	42 48
	it. d. Sieatei	letins	40
	Cumberland Telephone and Telegraph Co. H. Brooker & Co.	The least come account one	29
	H. Brooker & Co	Kerosene oil Office rent Cleaning river gauge Drayage Drayage and money orders Station expenses Drayage, etc Drayage	3 25 2 10
	T. S. Collins W. U. Simons	Cleaning river gauge	2
	W. U. Simons G. E. Grimes M. W. Hayes Geo. Reeder E. B. Richards Arizona and New Mexico R. R. Co C. C. Garrett G. T. Todd B. Bunnemeyer John C. Parker M. Lindsay Rubber Co W. B. Moses & Sons E. W. McGann J. M. Watson C. B. Bright H. W. Grasse L. H. Murdoch Frank Jermin M. E. Blystone	Drayage	10
	W. W. Haves	Drayage and money orders	2
	Geo. Reeder	Drayage, etc.	2 4 2
	E. B. Richards	Drayage	3
	Arizona and New Mexico R. R. Co	Preight charges	4
	G. T. Todd	Drayage, etc.	6
ug. 6	B. Bunnemeyer	Drayage, etc. Preight charges. Drayage and washing towels. Drayage, etc. Drayage Letter presses and stand Gas bags. Chairs	
	John C. Parker M. Lindsay Rubber Co	Letter presses and stand	181
	W. B. Moses & Sons	Chairs	181 4 17
	E.W.McGann	Traveling expenses	17
	J. M. Watson.	Chairs Traveling expensesdodo	4
	H. W. Grasse	Cleaning carpet, etc.	4
	L. H. Murdoch	Drayage	12
	M. E. Blystone	Cleaning carpet, etc Drayage do Station expenses	1
	M. E. Blystone H. McP. Baldwin Wm. M. Dudley T. S. Outram	do	1
	Wm. M. Dudley	Duagra ga	1 2
	A. G. Burns	Drayagedo	2
	A. G. Burns James Kenealy E. W. McGann	Drayage, etc.	2 1 7
	E. W. McGann	Drayage, etc	11
	R. G. Allen A. J. Mitchell O. W. Roberts J. M. Cline	Drayage, etc Drayage do Station expenses do Telegraph services dodo	2
	O. W. Roberts	Station expenses	4
	Pacific States Telephone and Telegraph Co.	Telegraph services	.7
	The Ohio River Telephone Co	do	15 31
	East Tennessee Telephone Co	do	31
	Wisconsin Telephone Co	Relocating telephone	9
	R. Carter Ballantyne	Relocating telephone Paper Printing climate and crop bulle-	5 82
	l. M. Cline Pacific States Telephone and Telegraph Co. The Ohio River Telephone Co East Tennessee Telephone Co Capital Ice Co Wisconsin Telephone Co. R. Carter Ballantyne A. A. Finck.	Printing climate and crop bulle-	26
		Ice	1
	C. N. Millhollin & Sons F. E. Warren Mercantile Co Salt Lake Transfer Co. The Maurice Joyce Engraving Co.	Linoleum	17
	Salt Lake Transfer Co	Drayage	25
	dodo	Drayage Photo-engraving plates Stereotype plates, etc Lounge Services Thermometers Boathouse rent Towel service	25 27
	The Greenewald Furniture Co	Lounge	30
	H. D. Pillichody	Services	5 660
	H. D. Pillichody H. J. Green Wm. Curry's Sons. American Linen Supply Co A. R. Derge & Co Pembroke Stationery Co G. E. Stechert.	Boathouse rent	24
	American Linen Supply Co	Towel service	24
	A. R. Derge & Co	InkdoPublications	3
	T CHIDTOKE STATIOHERV CO	WU	

Date.	Name.	Nature of payment.	Tota
	Supplemental—Continued.		
1903. Aug. 6	H. A. Poole Flint and Walling Manufacturing Co Heybach-Bush Co H. C. Haskins Frank Long J. J. Fuller Home Telephone Co. John Clarke Southwestern Telegraph and Telephone Co Rocky Mountain Bell Telephone Co	Team hire	S
rug. 0	Flint and Walling Manufacturing Co	Erecting tower	20
	Heybach-Bush Co	Repairing printing press	5(
	H. C. Haskins	Repairing furniture	8
	Frank Long	Removing tower	20
	J. J. Fuller	Painting flagstaff	10
	Home Telephone Co	Telephone services	7
	John Clarke	đo	12
	Southwestern Telegraph and Telephone Co	do	12
	Rocky Mountain Bell Telephone Co	do	15 10
	do	do	10
	Delaware and Atlantic Telegraph and	do	12
	Vices vi and Venses Telephone Co	do	Ę
	Southwestown Tolograph and Tolophone Co	do	16
	Poter Gree	Flactric lantowns	18 210
	P H Chener & Sons	Electric light	4
	The United Electric Light and Power Co	do	Ċ
	Municipal Electric Light Plant	do	11
	Chicago Edison Co	do	5
	Port Huron Light and Power Co	do	£
	Marquette City Light and Power Co	Electric current and lamps	14
	The Pennsylvania R. R. Co	Passenger transportation	77
	Pittsburg. Cincinnati, Chicago and St.	do	10
	Louis Rwy. Co.		
	Virginia and Truckee R. R. Co	do	ā
,	Missouri Pacific Rwy. Co	do	84
	Galveston, Houston and Northern Rwy. Co	do	19
	The Pullman Co	do	2
	Delaware and Atlantic Telegraph and Telephone Co. Missouri and Kansas Telephone Co. Southwestern Telegraph and Telephone Co. Peter Gray P. H. Cheney & Sons The United Electric Light and Power Co. Municipal Electric Light Plant Chicago Edison Co. Port Huron Light and Power Co. Marquette City Light and Power Co. The Pennsylvania R. R. Co. Pittsburg. Cincinnati, Chicago and St. Louis Rwy. Co. Virginia and Truckee R. R. Co. Missouri Pacific Rwy. Co. Galveston, Houston and Northern Rwy. Co. The Pullman Co. Pere Marquette R. R. Co. New York, New Haven and Hartford R. R. Co.	QO	14
	Co.		14
	Charage and Ohio Pres Co	do	28
	The Pennerlyania P. P. Co	do	34
	do	do	26
	Chicago, Burlington and Quincy Rwy, Co	Freight charges	6
	Littlefield, Alvord & Co.	Dragage	6
	St. Louis Transfer Co	do	
	Yawman & Erbe Manufacturing Co	File case	50
	J.J. Dosher	Launch hire	7
12	Star Union Line	Freight charges	1
	do	do	
	do	do	
	Southern Kwy. Co	do	27
	do	do	1
	Virginia and Truelzae P. P. Co.	do	1
	Illinois Central R R Co	do	9
	do	do	2
	do	do	
	Atchison, Topeka and Santa Fe Rwy. Co	do	2
	Chicago, Burlington and Quincy Rwy. Co.	do	
	Central of Georgia Rwy. Co	do	
	New York, New Haven and Hartford R. R. Co. Chesapeake and Ohio Rwy, Co. The Pennsylvania R. R. Co. do Chicago, Burlington and Quincy Rwy, Co. Littlefield, Alvord & Co. St. Louis Transfer Co. Yawman & Erbe Manufacturing Co. J. J. Dosher Star Union Line do do do Southern Rwy, Co. do do do Hilinois Central R. R. Co. Illinois Central R. R. Co. Chicago, Burlington and Quincy Rwy, Co. Central of Georgia Rwy, Co. Wabash R. R. Co. Burlington and Missouri River R. R. in Nebraska. E. Havden	do	อี
	Burlington and Missouri River R. R. in Ne-	do	9
	braska. E. Hayden K. J. Cottrell do Hoke Engraving Plate Co do do Raleigh, substations Wm. J. Crawford Herpolsheimer Co Cooley Bros Consumers Ice Co	D	
	E. Hayden	Drayage	
	K.J. Cottren		
	Holzo Engagering Plate Co	Page ting has plates	1~5
	do	Storootening materials	175 357
	do	Recogting hase plates	5
	Raleigh substations	Pay roll	120
	Wm. J. Crawford	Dravage	
	Herpolsheimer Co.	Carpet and linoleum	226
	Cooley Bros	Repairing instrument shelter	2
	Consumers Ice Co	Ice	2
	Amarillo Light and Water Co	Electric light	ā
	City of East Towas	do	7
	Astoria Electric Co	do	4
	Herpolsheimer Co. Cooley Bros Consumers Ice Co. Amarillo Light and Water Co. City of East Towas Astoria Electric Co. Morgan City Improvement Co. Cumberland Telephone and Telegraph Co. The Bell Telephone Co. of Missouri. Dakota Central Telephone Lines (Incorporated). Chesapeake and Potomac Telephone Co.	do	5
	Cumperland Telephone and Telegraph Co.	Telephone service	150
	The Bell Telephone Co. of Missouri		22
	Dakota Central Telephone Lines (Incor-	OD	105
	Chasanaska and Potomas Walamban, G	do	
	Chesapeake and Potomac Telephone Co Northwestern Telephone Exchange Co Alabama, Mississippi and Tennessee Tele- phone Co.	0D	2
	Alabama Mississippi and Topposses Tele	Tologuesh convious	6
		1 CICKLOVII SELVICES	0

ate.	Name.	Nature of payment.	Total
	Supplemental—Continued.		
903.	The Expedit County Telephone Co	Walaamark sanniass	0*
g. 12	The Tyrrell County Telephone Co Rising Sun Telegraph Line Missouri, Kansas and Texas Rwy, Co.	Telegraph services	\$7
	Missouri, Kansas and Teyas Rwy Co	Passenger transportation	2 22
	International and Great Northern R. R. Co- The Central District and Printing Tele-	do	4
	The Central District and Printing Tele-	Telegraph services	18
	graph Co.		
	Southern Bell Telephone and Telegraph	Telephone services	18
	Co. B. J. Sherry Atlantic Coast Line R. R. Co	W 1	
	B.J. Sherry	Wood	8
	Atlantic Coast Line R. R. Co	Freight charges	Ì
	Union Pacific R. R. Co.	do	33
	do	do	0.
	do	do	
	do	do	46
15	Richmond, substations	Pay roll	15
	San Francisco, substations	do	2
	Chattanooga, substations	do	119
	Port Huron, substations	TVI annual and at annual	22: 60
	T. H. Hardy	Painting flagstoff	10
	W. H. Harris	Constructing river gauge	2
	R. P. Andrews & Co. (Incorporated)	Paper	16
	Meteorological Council	Compiling telegrams	1
	Atlantic Coast Line R. R. Codododododododo.	Repairing instrument stand	
	Pittsburg, Cincinnati, Chicago and St.	Passenger transportation	3
	Louis Rwy. Co.	m 1 1	1.
	graph Co.	Telegraph services	1:
		do	10
	Minneapoirs, St. Paul and Sault Ste. Marie Rwy. Co. Rocky Mountain Bell Telephone Co		-
	Rocky Mountain Bell Telephone Co	do	3
	North Montana Telephone Co	do	2 3
	Cumberland Telephone and Telegraph Co.	do	3
	Pacific States Telephone and Telegraph Co.	do	4
	Postal Telegraph Cable Co. of Texas	OO	10 10
	Tachan willo and St. Johns Par Talagraph	do	1
	Line.	do	
	Line. New England Telephone and Telegraph Co- Bell Telephone Co. of Buffalo. Winton Telegraph Co. Iowa Telephone Co. Moncure and Pittsboro Telegraph Co. Corvallis and Eastern R. R. Co. People's Telephone and Telegraph Co. East Tennessee Telephone Co. New York Telephone Co. Williston Telephone Exchange. Cumberland Telephone and Telegraph Co. Alabama and Georgia Long Distance Telephone Co.	do	
	Bell Telephone Co. of Buffalo.	do	
	Winton Telegraph Co	do	
	Iowa Telephone Co.	:do	
	Moncure and Pittsboro Telegraph Co	do	
	Deeple's Telephone and Telegraph Co	Tolophono compieso	
	East Tennessee Telephone Co	do	1
	New York Telephone Co	do	ī
	Williston Telephone Exchange	do	_
	Cumberland Telephone and Telegraph Co.	do	
	Alabama and Georgia Long Distance Tele-	do	
	East Tennessee Telephone Co	do	
	Rocky Mountain Ball Telephone Co	do	6
	Cumberland Telephone and Telegraph Co	do	1
	East Tennessee Telephone Co	Freight charges	
	do	do	1
	St. Louis and San Francisco R. R. Co	do	
	Atlantic Coast Line R. R. Co	do	
	Richmond, Fredericksburg and Potomac	do	
	R. R. Co. New York Central and Hudson River R. R.		
	Co.		
	Texas and Pacific Rwy, Co	do	2
	Texas and Pacific Rwy. Co	do	
	Co		
	Texas Pacific Rwy. Co Cleveland, Cincinnati, Chicago and St.	do	
	Leveland, Cincinnati, Chicago and St.	do	
	Town of Now Shoreham	do	
	United States Everess Co	Express charges	
94		do	
24	Adams Express Co		- 4
24	Adams Express Codo	do	1
24	Adams Express Cododo	do	1
24	Adams Express Codododo	do do do	1
24	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co. Town of New Shoreham. United States Express Co. Adams Express Co. do. do. New England Telephone and Telegraph Co. Chesterfield Telephone and Telegraph Co. E. A. Evans	do do do Telegraph services	1

Date.	Name.	Nature of payment.	Total
	Supplemental—Continued.		
1903.		TOTAL AND A STATE A	50
ug. 24	E. W. McGann J. H. Smith	Electric light Station expenses Drayage	\$8 8
	W. E. Oliver E. C. Vose G. E. Franklin Northern Pacific Rwy. Co J. E. Midgett	Dravage	2
	E. C. Vose	Drayage, etc Station expenses Passenger transportation Grading grounds	10
	G. E. Franklin	Station expenses	12
	Northern Pacific Rwy. Co	Passenger transportation	
	J. E. Midgett	Grading grounds	23
	J. E. Midgett The Friedenwald Co Pearson & Letzig Western Union Telegraph Co J. W. Austin General Electric Co T. L. M. Pratt C. F. Schneider W. H. Fallon	Manila paper Repairing river gauge Repairing telegraph line Building fence Aerial observation apparatus	120
	Pearson & Letzig	Repairing river gauge	23
	Western Union Telegraph Co	Repairing telegraph line	110
	General Electric Co	Aprial observation apparatus	399
	T L M Pratt	Services	3
	C. F. Schneider	Traveling expenses	36
	W. H. Fallon	do	(
	C. F. Schneider W. H. Fallon Nashville, Chattanooga and St. Louis Rwy, Chicago, Milwaukee and St. Paul Rwy, Co- Chicago, Burlington and Quincy R. R. Co- Central Union Telephone Co C. M. Knudson	Passenger transportation	21
	Chicago, Milwaukee and St. Paul Rwy. Co .	do Telegraph services Telephone services	6
	Chicago, Burlington and Quincy R. R. Co.	Telegraph services	2
	Central Union Telephone Co	Telephone services	48
	C. M. Knudson	Services.	21
	Bell Telephone Co. of Buffalo	Telephone services.	
	Unicago, Milwaukee and St. Paul Rwy. Co.	Passenger transportation	2.
	Chicago, Burlington and Quincy R. R. Co- Central Union Telephone Co C. M. Knudson Bell Telephone Co. of Buffalo Chicago, Milwaukee and St. Paul Rwy. Co. Missouri Pacific Rwy. Co. Baltimore and Ohio R. R. Ocean Tow Boat Line The Bunnell Telegraph and Electric Co Coston Signal Co. (Incorporated) Remington Typewriter Co J. E. Turton E. C. Hobbs Woodward & Lothrop do M. G. Copeland Co.	do	2.
	Occan Tow Boot Line	Tolograph corriece	(
	The Runnell Telegraph and Electric Co	Pliane	6
	Baltimore and Ohio R. R. Ocean Tow Boat Line The Bunnell Telegraph and Electric Co- Coston Signal Co. (Incorporated) Remington Typewriter Co J. E. Turton E. C. Hobbs Woodward & Lothrop do M. G. Copeland Co F. A. Schmidt Pennsylvania R. R. Co do	Answering signals	6.
	Remington Typewriter Co	Repairing typewriter	17
	J. E. Turton	Map frames	19
	E.C. Hobbs	Drayage	10
	Woodward & Lothrop	Desk	2
	do	do	5
	M. G. Copeland Co	Flags	508 (
. 0	F. A. Schmidt	Paper	
pt. 3	Pennsylvania R. R. Co	Freight charges	1
	do	do	1:
	do	do	
	do do do	do	
	do	do	
	do	do	
		do	
	Southour Pry Co	do	
	do	do	
	do	do	
	Union Pacific R. R. Co	do	
	do do do Southern Rwy. Co do Union Pacific R. R. Co do	do	
	dosurlington Route, Missouri Linesdodostar Union Line	do	69
	do	do	
	do	do	
	Unicago and Alton Kwy. Co	OD	
	do	do	
	Chicago Rock Island and Pacific Press Co.	do	
	do	do	
	do	do	
	Burlington Route, Missouri Lines	do	
	do	do	
	Star Union Line	do	
	do	do	
	do	do	
	Missouri Pacific Rwy. Co	do	
	Chicago Paylington and Oning D. C.	do	
	do	do	
	do Star Union Linedo do do Missouri Pacific Rwy. Codo Chicago, Burlington and Quincy Rwy. Codo Denver and Rio Grande R. R. Codo Louisville and Nashville R. R. Co. Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.	do	
	dodo	do	
	Louisville and Nashville R. R. Co	do	
	Chicago, St. Paul, Minneapolis and Omaha	do	1
	Rwy. Co.		1
	Oregon Short Line R. R. Co. Florida East Coast Rwy Norfolk and Washington Steamboat Co. Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.	do	18
	Florida East Coast Rwy	do	
	Norfolk and Washington Steamboat Co	do	(
			- 2

# $Expenditures \ of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1903-{\bf Cont`d}.$

Date.	Name.	Nature of payment.	Total.
1000	· Supplemental—Continued.		
1903. Sept. 3	Lake Shore and Michigan Southern Rwy.	Freight charges	\$6.7
	Texas-Mexican Rwy. Co Norfolk and Western Rwy. Co Washington County R. R. Co Atlantic Coast Line R. R. Co Detroit and Modify and R. Co	do	5. 7
	Norfolk and Western Rwy. Co	do	1.6
	Washington County R. R. Co	do	1.3
	Detroit and Mackinac R. R. Co	do	1.8
	Detroit and Mackinac R. R. Co Schooner Ida Bell Lowndes Northern Michigan Transportation Co New York, New Haven and Hartford R. R.	do	10.0
	Northern Michigan Transportation Co	do	
	Co.	Passenger transportation	21.
9	Fort Worth and Denver City Rwy. Co	Express charges	30.
9	Fort Worth and Denver City Rwy. Co Adams Express Co J. A. Roebling's Sons Co Jno. P. Church W. A. Mitchell	Telegraph wire	5.
	Jno. P. Church	Traveling expenses	1.
	W. A. Mitchell	Traveling expensesdo	6.3
	Geo. U. Harn, jr Postal Telegraph Cable Co. of Texas New England Telegraph and Telephone Co. A. H. Bell L. Warner Smith	do Telegraph servicesdo Station expenses	33.
	New England Telegraph and Telephone Co.	do do	101.
	A. H. Bell	Station expenses	2. 9.
	J. Warren Smith	do	22.
	Pennsylvania Co	Passenger transportation	22. 73. 3.
	Kelley Island and Sandusky Cable Co	Telegraph services	3. 9.
	Tucker Telephone and Telegraph Co	do	10.
	J. Warren Smith Pennsylvania Co Eimer & Amend Kelley Island and Sandusky Cable Co. Tucker Telephone and Telegraph Co. Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.	Passenger transportation	15.
	Rwy. Co. Lake Shore and Michigan Southern Rwy. Co.	Passenger transportation	14.
	Daniel Daly. Mutual Light and Water Co.	Recasting rollers Installing storm-warning lanterns.	2. 23.
	The Seattle Electric Co	Constructing vivou cango	75. 19.
	A. Fleckman W. J. Moss	Constructing river gaugedo	12.
	New England Telephone and Telegraph Co. H. C. Bate	Telephone services	29.
1.5	H. C. Bate	Telephone services Drayage Telegraph services	3.
15	New England Telephone and Telegraph Co- Central District and Printing Telegraph Co- W. R. Prowell	Telegraph services	32. 4.
	W. R. Prowell	do Installing river gauge Repairing telephone line Drayage Repairing walk Rent of ground Trayeling expenses	7.
	V. Kaneen T. L. Winthar C. J. Cain Oregon Short Line R. R. Co	Repairing telephone line	2.
	T. L. Winthar	Drayage	2.
	Oregon Short Line R. R. Co	Rent of ground	15. 1.
	Louis Dorman J. Warren Smith E. J. Glass Peter Wood	Traveling expenses Station expensesdo	55.
	J. Warren Smith	Station expenses	227.
	E. J. Glass	do	18. 9.
	American Writing Machine Co	Platen	2.
	American Writing Machine Co Woodward & Lothrop	Desks and chairs	2. 54.
10		Rain gauges	189.
18 22	Western Union Telegraph Co	do de Telegraph services	14, 469. 29.
- 1010	Western Union Telegraph Co. Martha's Vineyard Telegraph Co. Great Northwestern Telegraph Co. of	GO Platen Desks and chairs Rain gauges Telegraph services do do	149.
	Canada.	do	114
	Pennsylvania R R Co	Freight charges	114.
	O. M. Eakle	Bookcase	11.
	Camada. Cumberland Telephone and Telegraph Co- Pennsylvania R. R. Co O. M. Eakle H. P. Newmarch	Bookcase Installing electric lanterns	69.
	Minneapolis and St. Louis R. R. Co	Freight charges	
	Minneapolis and St. Louis R. R. Co  do  Vicksburg, Shreveport and Pacific Rwy.	do	2.
	Co. Peninsular and Occidental Steamship Co	do	1.5
	do do	do	5. 7.
	do	do	9.
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	do	1.
	Louis Rwy. Co. do Baltimore and Ohio R. R. Co. do C. H. Mallory & Co. do do Michigan Central R. R. Co. edo Pennsylvania R. R. Co. Great Northern Rwy. Co.	do	5.
	do	do	4 9
	C. H. Mallory & Co	do	1.7
	do	do	40. ( 6. <u>7</u>
	Michigan Central R. R. Co	do	0. 7
	do	do	1.8
	Penneylyania R R Co	do	

Date.	Name.	Nature of payment.	Total.
	Supplemental—Continued.		
1903.	Suppremental—Continued.		
ept. 22	The Colorado and Southern Rwy. Co-Chicago and Northwestern Rwy. Co-The Denver and Rio Grande R. R. Co-Chicago and Alton Rwy. Co-Washington Southern Rwy. Co-Washington Southern Rwy. Co-Dere Marquette R. R. Co-Pere Marquette R. R. Co-Narragansett Pier R. R. Co-The Oregon R. R. and Navigation Co-Lehigh Valley R. R. Co-Northern Michigan Transportation Co-Union Trust Co., receiver Michigan Telephone Co.	Freight charges	\$1. 18.
	The Denver and Rio Grande R R Co	do	5. 1.
	Chicago and Alton Rwy. Co	do	
	Washington Southern Rwy. Co	do	1.
	Lower Coast Packet Co	do	1. 2. 8.
	Navyagansatt Pier R R Co	do	1.
	The Oregon R. R. and Navigation Co.	do	8.
	Lehigh Valley R. R. Co	do	2.
	Northern Michigan Transportation Co	do	9. 9.
	phone Co., receiver Michigan Tele-	Telephone services	9.
30	Cincinnati Hamilton and Dayton Rwy Co	Freight charges	
			106. 2. 41.
	Margaret Kaneen Choctaw, Oklahoma and Gulf R. R. Co Delaware and Hudson Co	Washing towels	2.
	Choctaw, Oklahoma and Gulf R. R. Co	Passenger transportation Freight charges	1.
	W. S. Mountain	Erecting river gauge	20.
	Delaware and Hudson Co	Freight charges	5.
	International Ocean Telegraph Co	Telegraph services	94.
et. 12	Delaware and Hudson Co W. S. Mountain Delaware and Hudson Co International Ocean Telegraph Co. D. F. King J. T. Harper Western Union Telegraph Co New England Telephone and Telegraph Co. C. P. Meekins Baltimore and Ohio R. R. Co. A. J. Davis J. C. Bates. Star Union Line. The Oregon Short Line R. R. Co Hoke Engraving Plate Co Star Union Line do Union Pacific R. R. Co. do	Kelocating flagstaff	20. 10.
	Western Union Telegraph Co	do	103
	New England Telephone and Telegraph Co-	do	3
	C.P. Meekins	Ground rent	3.
•	Baltimore and Ohio R. R. Co	Telephone services	6 7
	J. C. Bates	Services	7
	Star Union Line	Freight charges	i
	The Oregon Short Line R. R. Co	do	10
15	Hoke Engraving Plate Co	Recasting base plates	225
	Star Union Line	Freight charges	
	Union Pacific R. R. Co	do	3
	do	do	3.
		do	3. 2. 4.
	do	do	1.
	do	do	3
	Louisville and Nashville R. R. Co	do	2 3
	do	do	3
	Atlantic Coast Line R. R. Co	do	2
	Virginia and Truckee B. B. Co	do	
	Great Northern Rwy. Co	do	13
	Pennsylvania R. R. Co	do	
	do	do	
	do	do	3
	do	do	
	do	do	1
	do	do	1
	Illinois Central R. R. Co	do	1
	do do do do do do Louisville and Nashville R. R. Co do Atlantic Coast Line R. R. Co do Virginia and Truckee R. R. Co Great Northern Rwy. Co Pennsylvania R. R. Co do Chicago and Northwestern Rwy. Co do Rome. Watertown and Ogdensburg R. R. C. H. Mallory & Co New York, New Haven and Hartford R. R. Co do	do	
	Chicago and Northwestern Rwy. Co	do	2
	Rome Watertown and Ordenshung P. P.	do	7
	do	do	
	C. H. Mallory & Co	do	10
	do	do	1 4
	New York, New Haven and Hartford R. R. Co.	do	4
	do	do	1
	do	do	1
	Chicago and Alton Rwy. Co	do	4
	Atchison Topolog and Conta Fo Pro-	do	9 30
	do	do	1.
	Cleveland, Cincinnati, Chicago and St.	do	2
	Louis Rwy. Co.		
	Peninsular and Occidental Steamship Co.	do	3
	Baltimore and Ohio Southwestern P. P. Co.	do	2 2
	Peninsular and Occidental Steamship Co. Southern Rwy, Co. Baltimore and Ohio Southwestern R. R. Co. Detroit and Mackinac R. R. Co. Nashville, Chattanooga, and St. Louis	do	4
			-
	Nashville. Chattanooga, and St. Louis Rwy. Co. John C. Davis	do	1

#### GENERAL EXPENSES, WEATHER BUREAU—Continued.

Date.	Name.	Nature of payment.	Total.
	· Supplemental—Continued.		
1903. Oct. 15	Burlington Route, Missouri lines	Freight charges	\$2.7
, , , , ,	Fremont, Elkhorn, and Missouri Valley	do	1. 1
	R. R. Co. Chesapeake and Ohio Rwy. Co	do	8, 6
	Dhiladalphia and Daading Dury Co	d.	
	E. Aigeltinger	Drayage	
	E. Aigeltinger Wisconsin Central Rwy. Co Boston and Maine R. R. Boston and Albany R. R. Pacific Conet Storageling Co	freight charges	. 4
	Boston and Albany R. R.	do	
	Pacific Coast Steamship Co- Chicago, Milwaukee and St. Paul Rwy. Co-	do	. 2
	Chicago, Milwaukee and St. Paul Rwy. Co.	do	3.
	Quincy, Omaha, and Kansas City R. R. Co. Norfolk and Washington Steamboat Co.	do	
	Atlanta and West Point R. R. Co	- do .	
20	Flint & Walling Manufacturing Co	Storm-warning towers	509.
31	J. W. Smith Postal Telegraph Cable Codo	Drayage, etc.	7.5 544.
01	dodo	do	1, 109.
	do	do	188.
	dodo	do	84. 36.
	International Ocean Telegraph Co	do	141
	Enterprise Telegraph Co St. Louis Toilet Supply Co Nathan Doheman Co J. M. Gomez	do	12.
	St. Louis Toilet Supply Co	Towel supply	4.
	Nathan Doheman Co	River gauge	8.1 5 <b>5</b> .
	J. W. Johnson	Repairs to building	500.
	The Great Northern Telegraph Co. of	Telegraph services	145.
Nov. 14	Canada. Roslyn Coal and Coke Co	Fuel	91.
	Total supplemental		

First quarter	\$41,774,86
Second quarter	
Third quarter	142,877.58
Fourth quarter	101, 204, 59
Supplemental	60, 289. 98

Total 428,680.87

#### GENERAL EXPENSES-SALARIES-WEATHER BUREAU.

Date.	Name.	Nature of payment.	Total.
1902.			
July 21	Walter Rosenthal	Salary	87.00
24	E. S. B. Eubank	do	16, 30
26	N. C. Jones	do	17.00
31	G. W. Eddey	do	101.10
	Peter Wood		101.10
	B. D. Johnson	do	25.00
	W. C. McGuiness	do	. 84.20
	B. M. Jacobs	do	25.30
	W. L. Day	do	101.10
	G. L. Lovett		25.00
	J. W. Byram	do	101.10
	A. Drinkwater	do	50.50
	J. M. Sherier		109.50
	G. T. Todd	do	101.10
	J. Sands	do	60,60
	N. D. Lane	do	101.10
	A. H. Bell	do	101.10
	O. D. Stewart	do	101.10
	C. W. Ling	do	84, 20
	H. P. Hardin	do	84.20
	H. B. Dick	do	84. 20
	F. Z. Gosenisch		101.10
	G. W. Scott	do	101.10
	H. F. Alps	do	84.20
	A. C. Pickels	do	70.80
	W. G. Wilson	do	50.50
	H. W. Grasse	do	84.20

ate.	Name.	Nature of payment.	Total
02.			
y 31	Hugo Legler M. E. Conway. J. J. Kelliher J. C. Piercy P. McDonough D. C. Grunow W. W. Thomas Chas. Adie J. P. Slaughter W. D. Maxwell M. Connell B. S. Pague Thomas Gibson J. H. Scarr J. R. Williams	Salary	\$70
	M. E. Conway	do	70 84
	J.J. Kelliner	do	101
	P McDonough	do	101 101
	D. C. Grunow	do	84
	W. W. Thomas	do	101 84 70
	Chas. Adie	do	70
	J.P.Slaughter	do	101
	W.D. Maxwell	do	101 101
	B S Pagne	do	151
	Thomas Gibson.	do	151 84 101
	J. H. Scarr	do	101
	J. R. Williams	do	101 126
	F. H. Clarke	00	126 70
	C. E. Johnson	do	
	N. M. Cunningham	do	84
	F. Newman	do	101
	E. W. Daniels	do	25
	J. C. Hayden	do	60 84 101 25 84 101
	U.W. Koberts	ao	101 40
	J. R. Williams F. H. Clarke E. R. Miller C. E. Johnson N. M. Cunningham F. Newman E. W. Daniels J. C. Hayden O.W. Roberts S. Hackett A. T. Sims et al F. H. Duff et al	do	237
	A. I. Sillis et al. J. B. Marbury et al. Al. Brand et al. D. Fisher et al. T. L. Bridges et al.	do	141
	J. B. Marbury et al	do	141 434 131
•	Al. Brand et al	do	131
	D. Fisher et al	do	149
	T. L. Bridges et al	do	510 436
	S M Blandford et al	do	240
	Corydon P. Cronk et al.	do	160 193 237 131
	J. H. Smith et al.	do	193
	L. N. Jesunofsky et al.	do	237
	G.R. Oberholzer et al	do	131
	W. S. Palmar et al	do	224
	F. J. Walz et al	do	156 710
	S. S. Bassler et al	do	402
	J. Kenealy et al	do	446 222
	A. E. Hackett et al.	do	222
	J. W. Bauer et al	do	252 532
	Frank Jermin et al	do	114
	P. H. Smyth et al	do	352 114 220 359 422 149
	D. P. McČallum et al	do	359
	G. W. Chappel et al.	do	422
	Orin Parker et al	do	149
	D. C. Murphy et al	do	210
	A Ashemherger et al	do	131
	T. J. Considine et al	do	141 220
	D. Fisher et al T. L. Bridges et al O. L. Fassig et al S. M. Blandford et al Corydon P. Cronk et al J. H. Smith et al L. N. Jesunofsky et al G. R. Oberholzer et al L. M. Pindell et al W. S. Palmer et al F. J. Walz et al S. S. Bassler et al J. Kenealy et al J. Kenealy et al J. W. Bauer et al J. W. Bauer et al J. W. Brunner et al Frank Jermin et al Frank Jermin et al D. P. McCallum et al G. W. Chappel et al H. W. Richardson et al D. C. Murphy et al A. A. Shemberger et al T. J. Considine et al J. L. Kline et al J. L. Kline et al J. L. Kline et al J. S. Collins et al	do	232
	E. A. Brown et al  T. S. Collins et al  Geo. Reeder et al  W. H. Fallon et al  F. W. Conrad et al  E. R. Demain et al  A. J. Davis et al  E. I. Glass et al	do	149
	Geo Reeder et al	do	131 171
	W. H. Fallon et al	do	131
	F. W. Conrad et al	do	131
	E. R. Demain et al	do	131 220 134
	A. J. Davis et al	do	134
	W. T. Blytho et al	ao	240
	R. G. Allen et al	do	471 367
	Patrick-Connor et al	do	321
	W. U. Simons et al.	do	149
	W. M. Fulton et al	do	177 197
	A. J. Davis et al. E. J. Glass et al. W. T. Blythe et al. R. G. Allen et al. Patrick Connor et al. W. U. Simons et al. W. M. Fulton et al. C. F. Schneider et al. R. Q. Grant et al.	do	197
	G A Loveland et al	do	126 392 480
	E. B. Richards et al	do	480
	R. Q. Grant et al G. A. Loveland et al E. B. Richards et al G. E. Franklin et al	do	257
	H.B. Hersey et al	do	549
	G.N. Wilson et al	do	141 141
	J. K. Weeks et al.	do	141
	G. E. Franklin et al H. B. Hersey et al G. N. Wilson et al J. R. Weeks et al H. R. Patrick et al S. C. Emery et al W. M. Wilson et al T. S. Outram et al W. M. Dudley et al	do	131
	W. M. Wilson et al.	do	338 566
	m ~ ~ ~	J.	451 202

Date.	Name.	Nature of payment.	To
.902.	F. P. Chaffee et al. G. E. Grimes et al. H. C. Bate et al. F. L. Beahan et al. E. W. McGann et al. L. W. Tarr et al. H. F. Alciatore et al. H. F. Alciatore et al. Henry Goucher et al. J. Gray et al. W. A. Shaw et al. C. W. Strong et al. L. A. Welsh et al. J. G. Linsley et al. E. C. Vose et al. T. F. Townsend et al. B. Bunnemeyer et al. O. C. Burrows et al. F. Ridgway et al. W. Gronk et al. J. W. Cronk et al. J. W. Cronk et al. A. B. Wollaber et al. J. H. Murdoch et al. A. B. Wollaber et al. E. J. Hyatt et al. P. F. Lyons et al. E. H. Nimmo et al. A. Buell et al. F. A. Carpenter et al. E. H. Nimmo et al. B. H. Willson et al. A. G. Burns et al. G. W. Stewart et al. W. A. Mitchell et al. Chas. Stewart et al. M. E. Blystone et al. E. C. Hobbs et al. H. Dangerfield et al. T. B. Jennings et al. G. W. Felger et al. W. E. Donadson et al. B. H. Bronson et al. C. H. B. Benner et al. E. H. Jones et al. E. P. Jones et al. E. P. Jones et al. E. H. Dony et al. E. H. Dony et al. E. H. Dony et al. E. H. Bowie et al. E. H. Bowie et al. E. H. Donson et al. E. H. Jones et		
ly 31	F. P. Chaffee et al.	Salary	S
	G. E. Grimes et al.	do	
	F. L. Beahan et al	do	
	E. W. McGann et al	do	
	L. M. Tarr et al	do	
	H. F. Alciatore et al	do	
	J. J. Grav et al	do	
	W. A. Shaw et al.	do	
	C. M. Strong et al	do	
	L. A. Welsh et al	do	
	E C Vose et al	do	
	T. F. Townsend et al	do	
	B. Bunnemeyer et al	do	
	O. C. Burrows et al	do	
	F. Ridgway et al.	do	
	J. W. Cronk et al	do	
	A. B. Wollaber et al	do	
	R.J. Hyatt et al	. do	
	P. F. Lyons et al	do	1
	A Buell et al	do	
	F. A. Carpenter et al	do	
	E. H. Nimmo et al	do	
	G. H. Willson et al	do	
	R. M. Hardinge et al	do	
	A. G. Burns et al	do	
	W. A. Mitchell et al	do	
	Chas. Stewart et al	do	
	M. E. Blystone et al.	do	:
	E. C. Hobbs et al	do	
	T. R. Jannings et al	do	
	F. L. Johnson et al	do	:
	G. W. Felger et al.	do	-
	W. E. Donaldson et al	do	2
	B. H. Bronson et al	do	
	N B Congor et al	do	
	E. H. Bowie et al	do	4
	R. B. Harkness et al	do	-
	S. W. Glenn et al.	do	2
	L. A. Denson et al	do	-
	E. F. Jones et al	do	4
	L. M. Dev et al	do	è
	H. B. Boyer et al	do	2
	U.G. Purssell et al.	do	2
	J. S. Hazen et al	do	-
	W. S. Belden et al	do	6
	L. A. Hatten	dodo	6
	R. M. West	do	
	J. J. Dosher	do	
	A. W. Kennie	do	- 1
	John Monagan	do	
	C. F. von Herrmann et al	do	2
	L. C. Cover et al	do	2 1
	T.J. Thompson	do	
	J. H. Scott	do	
	R. M. Geddings et al	do	1
	A.J. Mitchell et al.	do	á
	W. E. Bonnett	do	
	J. P. Bolton	do	1
. 6	E.T.Turner	do	
11	H. U. SINK	do	1
	G. H. Atkisson	do	
	J. J. McLean	do	1
4.0	R. H. Dean	do	1
12	R. H. Dean W. F. Harn G. S. Bliss	do	
14	G. S. Bliss Alexander Ritchie G. J. McLaughlin	do	
1.4	THE AUTHORITE		

te.	Name.  Herbert Beesten. Walter Borman A. F. Sims et al R. M. Geddings et al A. Brand et al J. B. Marbury et al O. L. Fassig et al S. M. Blandford et al T. L. Bridges et al F. T. Williams et al F. T. Williams et al F. H. Smyth et al C. P. Cronk et al J. H. Smyth et al C. P. Cronk et al J. H. Smyth et al C. P. Gronk et al J. H. Smyth et al J. W. Jesunofsky et al L. M. Pindell et al T. J. Walz et al S. S. Bassler et al J. Kenealy et al S. S. Bassler et al J. Kenealy et al A. E. Hackett et al J. W. Bauer et al Frank Jermin et al D. P. McCallum et al G. M. Chappel et al N. B. Conger et al O. Parker et al H. W. Richardson et al D. C. Murphy et al T. J. Considine et al J. L. Cline et al E. H. Bowie et al E. H. Bowie et al W. H. Fallon et al E. R. Demain et al E. R. Demain et al A. J. Davis et al W. W. Fulton et al G. A. Loveland et al W. T. Blythe et al R. G. Allen et al H. B. Hersey et al G. N. Wilson et al H. B. Hersey et al H. R. Patrick et al H. B. Hersey et al H. R. Patrick et al H. R. Patrick et al H. B. Hersey et al H. R. Patrick et al H. R. Ratrick et al H	Nature of payment.	T
)2.			
. 22	Herbert Beesten	Salary	
	Walter Borman	do	
31	A. F. Sims et al	do	
	R. M. Geddings et al.	do	
	A. Brand et al.	00	
	J. B. Marbury et al	do	
	C. M. Plandford et al	do	
	T. I. Bridges et al	do	
	F T Williams et al	do	
	P. H. Smyth et al	do	
	C. P. Cronk et al	do	
	J. H. Smith et al	do	
	L. N. Jesunofsky et al	do	
	L. M. Pindell et al	do	
	T.J. Walz et al	do	
	S. S. Bassler et al	00	
	A E Hackett at al	do	
	J W Bauer et al	do	
	Frank Jermin et al	do	
	D. P. McCallum et al	do	
	G. M. Chappel et al	do	
	N.B. Conger et al	do	
	O. Parker et al	do	
	H. W. Richardson et al.	do	
	D. C. Murphy et al	do	
•	I.J. Considine et al	do	
	J. L. Clino of al	do	
	E H Rowie et al	do	
	W. H. Fallon et al	do	
	F. W. Conrad et al.	do	
	L. C. Cover et al	do	
	E. R. Demain et al	do	
	A. J. Davis et al	do	
	S. W. Glenn et al	do	
	W. T. Blytne et al	do	
	W II Simons of al	do	
	W M Fulton et al	do	
	C. F. Schneider et al	do	
	G. A. Loveland et al	do	
	E. B. Richards et al	do	
	H. B. Hersey et al	do	
	G. N. Wilson et al	do	
	H. K. Patrick et al	00	
	I A Dongon et al	: 00	
	T. S. Outram et al	do	
	W. M. Dudley et al	do	
	H. C. Bate et al	do	
	F. R. Beahan et al	do	
	E. W. McGann et al	do	
	L. M. Tarr et al	do	
	H. F. Alciatore et al	do	
	I. Grove et al.	do	
	C. M. Strong et al	do	
	L. A. Welsh et al	do	
	J.G. Linsley et al	do	
	E.C. Vose et al	do	
	B. Bunnemeyer et al	do	
	T. F. Townsend et al	do	
	W.G. Burns et al	do	
	U. U. Burrows et al	do	
	F P Jones et al	do	
	A R Wollaher et a!	do.	
	C. F. von Herrmann et al	do	
	E. A. Evans et al	do	
	L. M. Dey et al.	do	
	R.J. Hyatt et al.	do	
	Allen Buell et al	do	
	T. A. Carpenter et al	do	
	E. H. Nimmo et al	do	
	P. M. Hardingo et al	do	
	A G Burns et el	do	
		uv	

# $Expenditures of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30,1903-{\bf Cont'd}.$

Date.	Name.	Nature of payment.	T
1902.		·	
ig. 31	G. N. Salisbury et al	Salary	
	G. N. Salisbury et al J. W. Cronk et al	do	
	Chas. Stewart et al.	do	
	A. McC. Ashlev et al	do	
	H. C. Hobbs et al	do	
	L. H. Daingerfield et al.	do	
	W. S. Currier et al.	do	
	W. S. Beiden et al.	do	
	G. U. Felger et al	do	
	D. Fisher et al	do	
	B. H. Bronson et al	do	
	G. R. Oberholzer et al	do	
	J. warren Smith et al.	do	
	E. J. Glass et al	do	
	A. J. Mitchell et al.	do	
	P. Connor et al	do	
	R. Q. Grant et al.	do	
	G. E. Franklin et al.	do	
	F. P. Chaffee et al	do	
	G. E. Grimes et al.	do	
	W. A. Shaw et al	do	
	P. F. Lyons et al	do	
	G. N. Salisbury et al J. W. Cronk et al Chas. Stewart et al M. E. Blystone et al. A. McC. Ashley et al H. C. Hobbs et al L. H. Daingerfield et al W. S. Currier et al W. S. Currier et al W. S. Belden et al F. L. Johnson et al G. U. Felger et al D. Fisher et al B. H. Bronson et al G. U. Felger et al D. Fisher et al B. H. Bronson et al G. R. Oberholzer et al J. Warren Smith et al Geo. Reeder et al E. J. Glass et al A. J. Mitchell et al P. Connor et al R. Q. Grant et al G. E. Franklin et al J. R. Weeks et al F. P. Chaffee et al G. E. Grimes et al W. A. Shaw et al P. F. Lyons et al L. H. Murdoch et al J. S. Hazen et al G. W. Eddey Peter Wood B. D. Johnson W. C. McGuiness W. E. Donaldson et al B. M. Jacobs W. L. Day G. L. Lovett S. E. Bond W. S. Servery	do	
	T B Jennings et al	do	
	G. W. Eddev	do	
	Peter Wood	do	
	B. D. Johnson	do	
	W. C. McGuiness W. F. Donaldson et al	do	
	B M Jacobs	do	
	W.L. Day	do	
	G. L. Lovett	do	
	S. E. Bond	do	
	W.S. Palmer J. R. Shelton	do	
	J. W. Sweam	do	
	J. W. Byram A. Drinkwater J. M. Sherier	do	
	J. M. Sherier	do	
	J. Sands A. Ashenberger et al	do	
	A. Ashenberger et al	do	
	J. I. Widmeyer N. D. Lane	do	
	A. H. Bell	do	
	E. L. Renoe	do	
	T.S. Collins et al	do	
	J. B. Bolton	do	
	O.D. Stewart	do	
	C.E. Holmes O.D. Stewart C.W. Ling C. C. Garrett H. P. Hardin	do	
	C. C. Garrett	do	
	H. P. Hardin	do	
	H. B. Dick	do	
	F. Z. Gosenisch J. J. Dosher	do	
	J. J. Dosher R. H. Dean et al	do	
	H. F. Alps	do	
	H. F. Alps Hugo Legler A. C. Pickels	do	
	A. C. Pickels W. G. Wilson	do	
	A. W. Kennie	do	
	W. M. Wilson et al		
	H. W. Grasse	do	
	M. E. Conway	do	
	J. J. Kelliher J. C. Piercy		
	P. McDonough	do	
	D. C. Grunow		
	W. W. Thomas	do	
	Chas. Adie	do	
	Ida Ross B. S. Pague	do	
	J. P. Slaughter	do	
	W. D. Maxwell	do	
	M. Connell	do	
	M. Connell		

Date.	Name.	Nature of payment.
1902.		
ug. 31	J. H. Carr J. R. Williams U. G. Purssell et al E. R. Miller C. E. Johnson N. M. Cunningham F. Newman E. W. Daniels J. C. Hayden O. W. Roberts S. Hackett G. H. Akkisson J. R. Shelton G. T. Todd F. H. Clarke et al	Salary
0	J. R. Williams	do
	U. G. Purssell et al	do
	E. K. Miller	do
	N. M. Cunningham	do
	F. Newman	do
	E. W. Daniels	do
	J.C. Hayden	do
	O. W. Roberts	do
	S. Hackett	do
	J. D. Cholton	do
	G T Todd	do
	F. H. Clarke et al	do
	F. H. Duff et al R. B. Harkness et al E. T. Turner	do
ept. 5	R. B. Harkness et al	do
-	E.T. Turner	do
10	W. F. Harn	do
13 22	T. G. Holliday	do
22	C. A. Wesley	do
	S.A. Lyon C. W. Scott	do
30	E. T. Turner W. F. Harn T. G. Holliday C. A. Wesley S. A. Lyon G. W. Scott G. H. Burgess A. F. Sims et al F. H. Duff et al J. B. Marbury et al A. Brand et al	do
90	A F Sims et al	do
	F H Duff et al	do
	J. B. Marbury et al	do
	A. Brand et al	do
	D. Fisher et al	do
	O.L. Fassig et al	do
	W. E. Donaldson et al	do
	B. H. Bronson et al	do
	S. M. Blandford et al	do
	T. L. Bridges et al	do
	P H Smyth et al	do
	C P Cronk et al	do
	J. B. Marbury et al A. Brand et al D. Fisher et al C. L. Fassig et al W. E. Donaldson et al B. H. Bronson et al S. M. Blandford et al T. L. Bridges et al D. Cuthbertson et al P. H. Smyth et al C. P. Cronk et al J. H. Smith et al	do
	L. N. Jesunofsky et al	do
	G. R. Oberholzer et al	do
	L. M. Pindell et al	do
	C. E. Linney et al	do
	S.S. Bassler et al	do
	James Kenealy et al.	do
	A. E. Hackett et al.	do
	J. W. Bauer et al	do
	Frank Jormin et al	do
	J M Sherier et al	do
	D. P. McCallum et al	do
	G. M. Chappel et al	do
	N. B. Conger et al	do
	O. Parker et al	do
	H. W. Richardson et al	do
	D.C. Murphy et al.	do
	A. Asnenberger et al	do
	I.J. Considine et al.	do
	J. I. Cline et al	do
	T S Collins et al	do
	G. Reeder et al	do
	E. H. Bowie et al.	do
	D. Cuthbertson et al P. H. Smyth et al C. P. Cronk et al J. H. Smith et al L. N. Jesunofsky et al G. R. Oberholzer et al L. M. Pindell et al C. E. Linney et al S. S. Bassler et al James Kenealy et al A. E. Hackett et al J. W. Bauer et al J. W. Bauer et al J. W. Bauer et al J. W. Bremin et al J. W. Sherier et al D. P. McCallum et al G. M. Chappel et al N. B. Conger et al O. Parker et al D. C. Murphy et al A. Ashenberger et al J. L. Cline et al J. L. Bartlette et al J. L. Bartlette et al J. L. Cover et al E. H. Bowie et al W. H. Fallon et al C. Cover et al C. Cover et al R. B. Harkness et al S. W. Glenn et al A. J. Davis et al A. J. Davis et al A. J. Davis et al A. J. Bythe et al A. J. Harkness et al S. W. Glenn et al R. G. Allen et al R. Q. Grant et al R. G. Richards et al R. G. A. Loveland et al E. B. B. Richards et al G. R. C. Grant et al G. R. Erenklin et al	do
	F. W. Conrad et al	do
	L. C. Cover et al	do
	E. R. Demain et al	do
	A.J. Davis et al	do
	A. K. Teeple et al	do
	S W Glann et al	do
	W T Rivthe et al	do
	R. G. Allen et al	do
	A. J. Mitchell et al.	do
	P. Connor et al	do
	W. U. Simons et al	do
	R. Q. Grant et al	do
	G. A. Loveland et al	do
		do

 $Expenditures of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30, 1903-{\tt Cont'd}.$ 

te.	Name.	Nature of payment.
2.		
. 30	H. B. Hersey et al. G. N. Wilson et al.	Salary
	G. N. Wilson et al.	do
	H. K. Patrick et al	do
	S. E. Emery et al	do
	L. A. Denson et al	do
	W. M. Wilson et al.	do
	T.S. Outram et al. W.M. Dudley et al.	00
	F. P. Chaffee et al	00
	F. P. Chaffee et al G. E. Grimes et al	do
	H C Rete et al	do
	H. C. Bate et al F. R. Beahan et al	do
	E. W. McGann et al.	do
	L. M. Tarr et al	do
	H. F. Alciatore et al	do
	L. M. Tarr et al H. F. Alciatore et al Henry Goucher et al	do
	J.J. Gray et al W. A. Shaw et al C. M. Strong et al	do
	W. A. Shaw et al	do
	C. M. Strong et al	do
	L. A. Welsh et al J. G. Linsley et al	do
	J.G. Linsley et al	do
	E. C. Vose et al.	do
	E. C. Vose et al. B. Bunnemeyer et al. T. F. Townsend et al.	do
	T.F. Townsend et al.	do
	O. C. Burrows et al	do
	O. C. Burrows et al Frank Ridgway et al E. A. Brown et al	do
	E. A. Brown et al	do
	A. B. Wollaber et al C. F. von Herrmann et al	do
	C. F. von Herrmann et al	
	L. M. Dey et al	do
	R.J. Hyall et al	00
	P. F. Lyons et al	do
	Allen Buell et al F. A. Carpenter et al	do
	E. H. Nimmo et al	do
	C H Willson et al	do
	G. H. Willson et al R. M. Hardinge et al L. H. Murdoch et al	do
	L. H. Murdoch et al	do
	H. B. Bover et al	do
	F. H. Clarke et al	do
	H. B. Boyer et al. F. H. Clarke et al. G. N. Salisbury et al. J. W. Cronk et al.	do
	J. W. Cronk et al	do
	U. G. Phrssell et al	CO
	Chas. Stewart et al M. E. Blystone et al	do
	M. E. Blystone et al.	do
	J. S. Hazen et al A. McC. Ashley et al	do
	A. McC. Ashley et al.	do
	E. C. Hobbs et al	do
	L. H. Daingerfield et al	do
	W.S. Currier et al.	do
	A. McC. Ashley et al. E. C. Hobbs et al. L. H. Daingerfield et al. W. S. Currier et al. W. S. Belden et al. F. L. Johnson et al. G. W. Estgeret el.	do
	W. S. Belden et al	do
	F. L. Johnson et al.	do
	G. W. Felger et al G. W. Eddey Peter Wood	do
	Cr. W. Eddey	do
	P. D. Johnson	do
	B. D. Johnson O. L. Blue	do
	G. C. Coe	do
	C D Flore	do
	S. D. Flora W. C. McGuiness	do
	R M Jacobs	do
	B. M. Jacobs W. L. Day	do
	G. L. Lovett	do
	S. E. Bond	do
	W.S. Palmer	do
	W. S. Palmer W. F. Harn	do
	J. W. Byram	do
	A Drinkwater	do
	G. T. Todd	do
	N. D. Lane	do
	J. I. Widmeyer	do
	A. H. Bell	dodo
	O.D. Stewart C. W. Ling C. S. Garrett	do
	CI TIT T !	3.

	~ 1	504 0
H. P. Hardin	Salary	\$81.6 81.6 97.8
F 7 Cosonicoh	do	97.8
G. W. Scott	do	58.8 97.8 81.6
H. F. Alps	do	81.6
Duncan Howard	do	13.7
W.G. Wilson	do	49.0
E.T.Turner	do	62. 5 25. 0
A bo Wiesner	do	15.9
H W Grasse	do	81.6
Hugo Legler	do	68.4 68.4
M. E. Conway	do	68 4
F. J. Walz	do	163.0
J. J. Kelliher	do	81. 6 97. 8
J. C. Piercy	00	97.8 97.8
D. C. Grunow	do	81.6
W W Thomas	do	68.4
Charles Adie	do	68.4
J. P. Slaughter	do	97. 8 97. 8 97. 8
W. D. Maxwell	do	97.8
Maurice Connell	do	97.8
B. S. Pague	do	146.8
T H Seem	do	81. 6 97. 8 97. 8
J. R. Williams	do	97.8
E. R. Miller	do	68.4
C. E. Johnson	do	68.4 58.8
N. M. Cunningham	do	81.6
F. Newman	do	97.8
E. W. Daniels	do	25.0
O W Polouts	do	81. 97.
S Hackett	do	39.2
E. L. Renoe	do	25.0
R. M. Geddings et al	do	157.0
G. F. Schneider et al.	do	157.0 190.6
R. H. Dean et al.	do	97. 8 4. 0 2. 0 97. 8
J. J. O'Donnell	do	4.0
M. E. Kenealy	do	2.0
I P Rolton	do	97.8
A. Walker	do	12.1
Total first quarter		,
R. S. Fuller	Salary	7. 0 30. 0
do	do	30.0
Don V. Burney	do	97.8
W. M. Fulton et al	do	146.6 127.2
R. M. Williamson	do	24.4
		20.0
Geo. Beesley	do	20. 0 21. 3 23. 3
W.E. Gray	do	23.
K. K. Roediger	do	6.0
Potor Wood	do	101.
B D Johnson	do	101. 25.
W.C. McGuiness	do	84.
S. D. Flora	do	84.2 62.
G. C. Coe	do	70.
U. L. Dide	uo	70.
B. M. Jacobs	00	25.
W S Palmer	do	101. 126.
S. E. Bond	do	20.
J. N. Ryker	do	101. 101. 50.
J. W. Byram	do	101.
A. Drinkwater	do	50.
L.T. Barger	do	60.
J.I. Widmeyer	do	101. 101.
J. L. Bartlett	do	101.
F. W. Fisher A. H. Bell O. D. Stewart C. W. Ling C. C. Garrett	do	30.3 101.
		101.
O. D. Stewart	do	101. 84.
	J. J. Dosher G. W. Scott H. F. Alps Duncan Howard W. G. Wilson E. T. Turner A. W. Kennie Abe Wiesner H. W. Grasse Hugo Legler M. E. Conway F. J. Walz J. J. Kelliher J. C. Piercy P. McDonough D. C. Grunow W. W. Thomas Charles Adie J. P. Slaughter W. D. Maxwell Maurice Connell B. S. Pague Thomas Gibson J. H. Scarr J. R. Williams E. R. Miller C. E. Johnson N. M. Cunningham F. Newman E. W. Daniels Julius Hayden O. W. Roberts S. Hackett E. L. Renoe R. M. Geddings et al G. F. Schneider et al R. H. Dean et al J. J. O'Donnell M. E. Kenealy E. J. Glass J. P. Bolton A. Walker  Total first quarter R. S. Fuller do Don V. Burney W. M. Fulton et al J. R. Weeks et al R. M. Welshes R. R. Roediger Geo. Beesley W. E. Gray R. R. R. Roediger G. W. Eddey Peter Wood B. D. Johnson W. C. McGuiness S. D. Flora G. C. Coe O. L. Blue B. M. Jacobs W. L. Day W. S. Palmer S. E. Bond J. N. Ryker J. W. Byram A. Drinkwater L. T. Barger J. I. Widmeyer J. Wi	Don V. Burney

 $Expenditures \ of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1903-{\bf Cont'd}.$ 

Date.	Name.	Nature of payment.	Total
1902. ct. 31	,		
Oct. 31	H. P. Hardin H. B. Dick F. Z. Gosewisch	Salary	\$84 84
	H. B. Dick	do	84
	F. Z. Gosewisch J. J. Dosher G. W. Scott H. F. Allis W. G. Wilson E. L. Turner A. W. Kennie H. W. Grasse Hugo Legler M. E. Conway F. J. Walz J. J. Kellher J. C. Piercy P. McDonough D. C. Grunow	do	101 60 101
	G. W. Scott	do	101
	H F Allis	do	84
	W. G. Wilson	do	50
	E. L. Turner	do	84
	A. W. Kennie	do	25
	H. W. Grasse	do	84
	Hugo Legler	do	70
	M. E. Conway	do	70
	F.J. Walz	do	168
	J.J. Keinner	do	101
	P McDonough	do	84 101 101
	D.C.Grinow	do	84
	W. W. Thomas	do	84 70
	Charles Adie	do	70
	J. P. Slaughter	do	101
	P. McDonough D. C. Grunow W. W. Thomas Charles Adie J. P. Slaughter W. D. Maxwell M. Connell Thomas Gibson J. H. Scarr L. P. Williams	do	
	M. Connell	do	101
	Thomas Gibson	do	84
	M. Connell Thomas Gibson J. H. Scarr J. R. Williams C. E. Johnson N. M. Cunningham F. Newman J. C. Hayden O. W. Roberts S. Hackett R. M. Geddings et al P. M. Smyth et al A. E. Hackett et al D. P. McCallum et al O. Parker et al T. J. Considine et al Geo. Reeder et al S. W. Glenn et al W. U. Simons et al R. Q. Grant et al S. C. Emery et al W. M. Wilson et al L. M. Tarr et al W. A. Shaw et al A. B. Wollaber et al E. A. Evans et al E. A. Evans et al E. A. Dey et al W. A. Simsun et al D. F. L. Johnson et al E. R. Miller et al T. J. Johnson et al D. F. L. Johnson et al T. J. Marbury et al A. F. Sims et al T. J. Marbury et al A. F. Sims et al T. L. Bridges et al S. C. L. Prisher et al D. C. Prisher et al D. L. Prisher et al G. D. Prisher et al G. D. Prisher et al G. D. Prisher et al D. C. Pronk et al D. C. Pronk et al C. P. Cronk et al C. R. Oberholzer et al J. Kenealy et al G. B. Oberholzer et al J. W. Sherier et al J. M. Sherier et al J. M. Sherier et al J. W. Sherier et al J. C. Chappel et al A. A. Chappel et al A.	do	101
	J. K. Williams	do	101
	U. E. Johnson	do	60
	N. M. Cumingnam	do	84
	I C Hondon	do	101 84 101
	O.W. Roberts	do	101
	S. Hackett	do	40
	R. M. Geddings et al.	do	171
	P. M. Smyth et al	do	171 220 222
	A. E. Hackett et al.	do	222
	D. P. McCallum et al.	do	370
	O. Parker et al	do	149 220 171
	T.J. Considine et al	do	220
	Geo. Reeder et al	do	171
	S. W. Glenn et al.	do	240
	W. U. Simons et al.	OD	149
	C C From et al	do	131
	W M Wilson et al	do	338 566 210 126
	L. M. Tarret al	do	210
	W. A. Shaw et al	do	126
	A. B. Wollaber et al	do	459
	E. A. Evans et al	do	458 235
	L. M. Dey et al	do	235
	W. E. Oliver et al.	do	168 240
	A. McC. Ashley et al	do	240
	E.R. Miller et al	do	171 131
	F. L. Johnson et al.	00	363
	Al Brand et al	do	121
	A F Sims et al	do	131 237
	F. H. Duff et al	do	141
	D. Fisher et al	do	149 436 160
	O. L. Fassig et al	do	436
	W. E. Donaldson et al	do	160
	T. L. Bridges et al	do	510
	S. M. Blandford et al	do	240
	D. Cuthbertson et al	do	402
	J. H. Smith et al	do	193
	L. N. Jesunorsky et al	do	294
	C P Cronk et al	do	402 193 237 224 230
	G. R. Oberholzer et al	do	212
	J. Kenealy et al	do	212 362 456
	S. S. Bassler et al	do	456
	C. E. Linney et al	do	565
	J. Warren Smith et al	do	565 557 252
	J. W. Bauer et al	do	252
	F. Jermin et al	do	124
	J. M. Sherier et al	do	139 422 460
	G. M. Chappel et al	do	422
	N. B. Conger et al	do	46U 211
	H. W. Richardson et al.	do	- 311 220
	D. C. Mumphy et al	do	131 141
	D. O. MUTDIIV CL 81	do	TOT

 ${\tt GENERAL~EXPENSES-SALARIES-WEATHER~BUREAU-Continued}.$ 

Ďate.	F. S. Collins et al. W. H. Fallon et al. E. H. Bowie et al. F. W. Conrad et al. E. R. Demain et al. A. J. Davis et al. A. B. Teeple et al. R. B. Harkness et al. R. G. Allen et al. A. J. Mitchell et al. P. Connor et al. W. M. Fulton et al. C. F. Schneider et al. G. A. Loveland et al. G. A. Loveland et al. G. A. Loveland et al. G. E. Franklin et al. G. W. Wilson et al. G. E. Franklin et al. G. E. Grimes et al. G. E. Grimes et al. G. E. Grimes et al. H. R. Patrick et al. J. R. Weeks et al. L. A. Denson et al. T. S. Outram et al. F. P. Chaffee et al. W. M. Dudley et al. G. E. Grimes et al. H. F. Alciatore et al. H. F. Alciatore et al. J. G. Welsh et al. C. W. Strong et al. J. G. Linsley et al. L. A. Welsh et al. C. M. Strong et al. J. G. Linsley et al. E. P. Jones et al. T. F. Townsend et al. T. F. Townsend et al. T. F. Townsend et al. E. P. Jones et al. H. A. Carpenter et al. R. M. Hardinge et al. F. A. Carpenter et al. R. J. Hyatt et al. L. H. Mirdinge et al. F. H. Clarke et al. R. J. Hyatt et al. L. H. Mirdinge et al. F. H. Clarke et al. R. J. Hyatt et al. L. H. Davis et al. C. H. Ossensal. H. H. Davis et al. C. H. Davis et al.	Nature of payment.	Tota!
1902.			
Oct. 31	F. S. Collins et al.	Salary	\$131 131 497 131
	W.H. Fallon et al.	do	131
	F. W. Conred et al.	do	197
	E. R. Demain et al	do	220
	A. J. Davis et al	do	220 134 114
	A. R. Teeple et al	do	114
	R. B. Harkness et al.	do	151 253
	A.J. Mitchell et al	do	131 353 363
	P. Connor et al.	do	321
	W. M. Fulton et al	do	177
	E B Biohards of al	do	205
	G. A. Loveland et al	do	321 177 197 395 367 549 257 141
	H. B. Hersey et al	do	549
	G. E. Franklin et al	do	257
	G. N. Wilson et al.	do	141
	J. R. Wooks et al	do	141 131
	L. A. Denson et al	do	131 141
	T. S. Outram et al.	do	461
	F.P. Chaffee et al	do	461 283 202
	W. M. Dudley et al.	do	202 124
	H C Bate et al	do	508
	H. F. Alciatore et al	do	476
	H. Goucher et al	do	530
	F. R. Beahan et al	do	232
	T. T. Grey et al	do	232 192 335 311
	L. A. Welsh et al	do	311
	C. M. Strong et al.	do	328
	J. G. Linsley et al.	do	141 240
	E. C. Vose et al.	do	240
	F Ridoway et al	do	505
	T. F. Townsend et al.	do	141 505 712
	E. P. Jones et al.	do	224
	W.G. Burns et al	do	252
	C. F. von Hommenn et el	do	141 365
	F. A. Carpenter et al	-do	131
	R. M. Hardinge et al.	do	210.
	F. H. Clarke et al	do	131 210 156 390
	H. P. Povon et al	do	390 240
	E. H. Nimmo et al	do	141
	G. H. Willson et al	do	141 591
	Allen Buell et al.	do	220 311 139
	L. H. Murdoch et al	do	311
	I W Cronk et al	ao do	106
	G. N. Salisbury et al	do	338
	J. S. Hazen et al	do	106 338 141
	M. E. Blystone et al	do	392
	Unaries Stewart et al	do do	180.
	E. C. Hobbs et al	do	131. 141.
	W. S. Currier et al.	do	251.
	T. B. Jennings et al	do	197. 251. 171.
	W. S. Belden et al.	do	251.
	T D Brohun	do	171.
	G. L. Lovett	do	30. 12. 30.
	E. H. Davis	do	30.
	E. J. Glass	do	101.
	U G Purssell et al	do	101. 247. 139.
	O. C. Burrows et al	do	124.
	L. C. Cover et al	do	131.
	E. L. Renoe	do	131. 25. 27.
	J.M. Ware	do	27.
	G.T. Todd	do	101. 101.
	B. S. Pague	do	151.
	W. T. Blythe et al	do	471.
v. 8	N.D. Lane	do	48.
- 11	J. A. Taylor	ao	60. 30.

	Name.	Nature of payment.
	F. W. Fischer D. McMillan E. H. Davis N. J. Gorosky J. P. Bolton L. N. Jesunofsky et al A. G. Burns et al A. J. Davis et al W. E. Oliver et al W. E. Oliver et al L. J. Guthrie et al N. R. Taylor et al E. H. Duff et al L. H. Murdoch et al A. J. Mitchell et al C. F. Schneider et al F. P. Chaffee et al A. J. Mitchell et al C. F. Schneider et al F. P. Chaffee et al A. Ashenberger et al F. A. Carpenter et al E. A. Carpenter et al E. M. Tarr et al W. S. Belden et al G. Grant et al W. S. Belden et al R. G. Grant et al B. S. Bassler et al B. S. Bassler et al David Fisher et al W. S. Currier et al W. S. Currier et al H. B. Hersey et al F. B. Hersey et al H. B. Hersey et al J. W. Bauer et al J. H. B. Hersey et al Frank Jermin et al L. A. Denson et al H. C. Bate et al J. W. Bauer et al S. D. Flora R. L. Bentler J. B. Marbury et al O. L. Fassig et al S. M. Blandford et al T. L. Bridges et al Bavid Cuthbertson et al J. H. Smith et al L. M. Pindell et al C. E. Linney et al D. P. McCallum et al N. B. Conger et al R. G. Allen et al R. H. R. Patrick et al E. W. McGann et al H. R. Naticatore et al R. H. R. Patrick et al E. P. Jones et al R. H. Nimmen et al R. H. Nimmen et al R. H. Nimmen et al R. H. Wilson et al R. H. Nimmen et al R. H. Wilson et al R. H. Nimmen et al R. H. Nimmen et al R. H. Nimmen et al R. H. Wilson et al R. D	Salary
	D. McMillan	dŏ
	E. H. Davis	do
d	N.J. Gorosky	do
1	J. P. Bolton	do
	A. G. Prinns et al	OD
	A. U. Durns et al.	do
	W E Oliver et al	do
4	L. J. Guthrie et al	do
1	N. R. Taylor et al.	do
V.	F. H. Duff et al.	do
	L. H. Murdoch et al	do
	A. J. Mitchell et al.	do
	C. F. Schneider et al	do
	A Acharbanean of al	do
	E A Comporter et al	do
	I. M Tarr et al	do
	W S Bolden et al	do
	T. F. Townsend et al	do
	H. B. Bover et al	do
	R. Q. Grant et al	do
	W. M. Dudley et al	do
	J. S. Hazen et al	do
	S. S. Bassler et al	do
	David Fisher et al	do
	T. B. Jennings et al.	do
ı	A. F. Sims et al	do
ì	W.S. Currier et al.	do
Ì	J. M. Sherier et al.	
	H. E. Diystone et al.	do
	Fronk Tormin et al	do
	I. A Dangon at al	do
	H C Bate et al	do
	J. W. Bauer et al	do
	S. D. Flora	do
	R. L. Bentler	do
	J. B. Marbury et al	do
	O. L. Fassig et al	do
	S. M. Blandford et al	do
	T. L. Bridges et al	do
	David Cuthbertson et al	do
	J. H. Smith et al	do
	C F Linney et al	do
	D P McCallum et al	do
	N B Conger et al	do
	W. H. Fallon et al	do
	Geo. Reeder et al	do
	F. W. Conrad et al.	do
	A. R. Teeple et al	do
	R. G. Allen et al	do
	G. W. Wilson et al	do
	H. R. Patrick et al.	do
	E. W. McGann et al	do
	H. F. Alciatore et al	ao
	Henry Goucher et al	do
	I. G. Lingley et al	do
	E.C. Vose et al	do
	B Bunnemeyer et al	do
	Frank Ridgway et al	do
	E. P. Jones et al	do
	R. J. Hyatt et al	do
	E. H. Nimmo et al	do
	R. M. Hardinge et al	do
	G. H. Willson et al	do
	G. H. Willson et al. F. H. Clarke et al. G. L. Todd B. S. Pague A. Drinkwater J. M. Ware O. W. Roberts P. McDonough Walter W. Thomas J. I. Widmeyer Peter Wood J. W. Byram	do
	G. L. Todd	do
	B. S. Pague	do
	A. Drinkwater	00
	J. M. Ware	do
	P. MaDonough	do
	Walter W Thomas	do
	I I Widmover	do
	Poter Wood	do

	Name.	Nature of payment.	To
30	H. F. Alps W. G. Burns C. C. Garrett	Salary	\$ 1
	W.G. Burns	do	1
	H Logler	do	
	M. Connell J. H. Scarr	do	
	J. H. Scarr	do	
	G. W. Scott M. E. Conway J. J. Kelliher N. M. Cunningham	do	-
	M. E. Conway	do	
	N M Cunningham	do	
	H. B. Dick	do	
	C. Adie	do	
	D. C. Grunow	do	
	J. N. Kyker J. P. Williams	do	
	H. W. Grasse	do	
	G. W. Eddey	do	
	W. L. Day	do	
	H. P. Hardin	do	
1	F. Z. Gosewisch	do	
	J.P.Slaughter	do	
	L. F. Barger	do	
	H. B. Dick C. Adie D. C. Grunow J. N. Ryker J. R. Williams H. W. Grasse G. W. Eddey W. L. Day H. P. Hardin J. C. Hayden F. Z. Gosewisch J. P. Slaughter L. F. Barger G. L. Lovett B. M. Jacobs C. E. Johnson	do	
	B. M. Jacobs C. E. Johnson T. Gibson J. P. Bolton W. D. Maxwell F. J. Walz C. W. Ling W. C. McGuiness F. Newman J. C. Piercy A. H. Bell F. R. Beahan J. L. Bartlett J. J. J. Dosher	do	
	T. Gibson	do	
	J. P. Bolton	do	
	W.D. Maxwell	do	
	F. J. Walz	do	1
	W.C. McGuiness	do	
	F. Newman	do	
	J. C. Piercy	do	
	A. H. Bell	do	
	r. K. Beanan	00	
	J. J. Dosher	do	
	O. Parker et al	do	1
	O. C. Burrows et al	do	1
	J. J. Gray et al.	do	3
	D. C. Murnby et al	do	3 2 1
	W. M. Fulton et al.	do	1
	P. Connor et al	do	3 2
	Allen Buell et al.	do	1
	G E Franklin et al	do	2
	C. P. Cronk et al	do	3
	H. W. Richardson et al	do	3
	W. T. Blythe et al	do	4
	C. M. Strong et al	do	3
	A. H. Bell F. R. Beahan J. L. Bartlett J. J. Dosher O. Parker et al O. C. Burrows et al J. J. Gray et al A. McC. Ashley et al D. C. Murphy et al. W. M. Fulton et al P. Connor et al Allen Buell et al Allen Buell et al Allen Buell et al Allen Buell et al C. P. Cronk et al H. W. Richardson et al W. T. Blythe et al E. B. Richards et al C. M. Strong et al C. Hobbs et al J. W. Cronk et al E. G. Hobbs et al C. Hobbs et al C. Hops et al C. Hops et al C. G. W. Felger et al C. H. Daingerfield et al C. G. Sutton et al C. G. Purssell et al C. E. Grimes et al E. H. Bowie et al E. H. Dowie et al E. M. Dey et al T. J. Considine et al C. Cover et al R. B. Harkness et al E. R. Demain et	do	3 3 1 4
	T. S. Outram et al	do	4
	E. C. Hobbs et al	do	1 1 2
	G. W. Folger et al	do	1
	L. H. Daingerfield et al	do	ĩ
	L. G. Sutton et al	do	1
	U.G.Purssell et al	do	1
	G.E. Grimes et al	do	1
	L. M. Dov et al	do	9
	T. J. Considine et al	do	2 2
	A. E. Hackett et al	do	2
	L. C. Cover et al	do	1
	W. M. Wilson et al	do	1 5 2 1
	R. B. Harkness et al	do	1
	C. F. von Herrmann et al	do	3
	E. A. Evans et al	do	34 22 1
	P. H. Smyth et al	do	2
	W. I. Simons et al	do	1
	J. Kenealy et al	do.	1 3 2
	B. H. Bronson et al	do	2
	S. W. Glenn et al T. S. Collins et al W. E. Donaldson et al	do	2 1 1
	T S Collins et al	do	1

 $Expenditures of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1903--Cont'd.$ 

 ${\tt GENERAL\ EXPENSES-SALARIES-WEATHER\ BUREAU-Continued}.$ 

Date.	Name.	Nature of payment.	Tot
1902.			
Vov. 30	J. Warren Smith et al S. C. Emery et al C. E. Chamberlin et al G. M. Chappel et al S. Hackett E. T. Turner R. H. Dean N. D. Lane F. L. Johnson et al W. A. Shaw et al E. A. Brown et al J. L. Cline E. L. Renoe S. B. Pfanner A. W. Kennie E. J. Glass A. B. Wollaber et al	Salary	\$5 3
	S. C. Emery et al	do	3
	C. E. Chamberlin et al.	do	1
	G. M. Chappel et al	do	1 4
	F. T. Turner	do	
	B. H. Dean	do	
	N. D. Lane	do	
	F. L. Johnson et al	do	
	W. A. Shaw et al.	do	1
	E. A. Brown et al	do	1
	J. L. Cline	do	
	E. L. Kelloe	do	:
	A W Konnio	do	
	E. J. Glass	do	
	A. B. Wollaber et al	do	4
	G. A. Loveland et al	do	3
	J. R. Weeks et al.	do	4: 3: 1:
	G. R. Oberholzer et al	do	1
ec. 3	G. N. Salisbury et al	do	1 3 1
	E. J. Glass. A. B. Wollaber et al. G. A. Loveland et al. J. R. Weeks et al. G. R. Oberholzer et al. G. N. Salisbury et al. W. S. Palmer et al. J. A. Taylor H. Leighton	do	1
6	J. A. Taylor H. Leighton H. F. Barnett W. S. Saunders E. Gilland T. S. Vanghn B. F. Pauken J. H. Killian R. L. Bentler A. F. Sims et al R. M. Geddings et al O. L. Fassig et al B. H. Bronson et al S. M. Blandford et al T. L. Bridges et al David Cuthbertson et al P. H. Smyth et al C. P. Cronk et al J. H. Smith et al	do	
9 18	H F Rarnett	do	
10	W S Saunders	do	
22	E. Gilland	do	
1010	T.S. Vaughn	do	
23	B. F. Pauken	do	
	J. H. Killian	do	
	R. L. Bentler	do	
31	A. F. Sims et al	do	2
	R. M. Geddings et al	do	4
	B U Bronson et al	do	9
	S. M. Blandford et al	do	2
	T. L. Bridges et al	do	ā
	David Cuthbertson et al	do	4
	P. H. Smyth et al	do	4 2
	C. P. Cronk et al	do	- 1
	J. H. Smith et al	do	2 2
	L. N. Jesunofsky et al	do	2
	C. F. Linnor et al	do	2
	S S Resclor et al	do	4
	A E Hackett et al	do	5 4 2
	J. W. Bauer et al	do	2
	Frank Jermin et al	do	1:
	J. M. Sherier et al	do	13
	G. M. Chappel et al	do	4:
	N.B. Conger et al	do	5
	Orm Parker et al.	do	1-30
	H. W. Kichardson et al	do	13
	Δ Ashenberger et al	do	1.
	P. H. Smyth et al  J. H. Smith et al  J. H. Smith et al  L. N. Jesunofsky et al  L. N. Jesunofsky et al  L. M. Pindell et al  C. E. Linney et al  S. S. Bassler et al  A. E. Hackett et al  J. W. Bauer et al  Frank Jermin et al  J. M. Sherier et al  G. M. Chappel et al  N. B. Conger et al  Orin Parker et al  H. W. Richardson et al  D. M. Murphy et al  A. Ashenberger et al  J. L. Cline et al  E. H. Bowie et al  E. H. Bowie et al  E. H. Bowie et al  E. H. Demain et al  L. C. Cover et al  E. R. Demain et al  A. J. Davis et al  A. J. Davis et al  A. R. Teeple et al  S. W. Glenn et al  S. W. Clenn et al	do	1.2
	Geo. Reeder et al	do	1
	E. H. Bowie et al.	do	4:
	W. H. Fallon et al	do	13
	F. W. Conrad et al	do	13
	L. C. Cover et al	do	13
	E. K. Demain et al	do	2
	A. J. Davis et al	do	1.
	A. R. Teeple et al S. W. Glenn et al S. W. Glenn et al R. G. Allen et al R. G. Allen et al A. J. Mitchell et al P. Connor et al W. U. Simons et al G. A. Loveland et al G. A. Loveland et al G. Franklin et al H. B. Hersey et al G. N. Wilson et al H. R. Patrick et al T. S. Outram et al W. M. Wilson et al F. P. Chaffee et al G. E. Grimes et al	do	2
	W. T. Blythe et al	do	4'
	R. G. Allen et al	do	24 47 37
	A. J. Mitchell et al	do	36
	P. Connor et al.	do	3-22
	W. U. Simons et al.	do	22
	R. Q. Grant et al	do	12
	G. A. Loveland et al	do	2
	G. E. Franklin et al	do	2
	H. B. Hersey et al.	do	54
	H. P. Potriek et al	do	14
	T. C. Outrom et al	do	14 46
	W M Wilson et al	do	56
	F P Chaffee et al	do	28
	T. T. OHAMOO OF AL		12

Da 190 Dec

# Expenditures of Department of Agriculture for year ending June 30, 1903—Cont'd. GENERAL EXPENSES—SALARIES—WEATHER BUREAU—Continued.

H. C. Bate et al E. W. McGann et al L. M. Tarr et al H. F. Alciatore et al J. J. Gray et al C. M. Strong et al L. A. Welch et al J. G. Linsley et al E. C. Vose et al B. Bunnemeyer et al C. F. Townsend et al D. C. Burrows et al C. R. Land et al C. E. A. Brown et al C. P. Jones et al C. P. Jones et al C. P. Jones et al C. P. You Herrmann et al C. M. Dey et al Allen Buell et al C. F. Von Herrmann et al C. H. Nimmo et al C. H. Willson et al C. J. Gutrer et al C. H. Simmo et al C. J. Gutrer et al C. H. Clark et al C. J. Gutrer et al C. H. Clark et al C. J. Gutririe et al C. J. J. Gutririe et al C. J. H. Duff et al C. J. W. Felger et al C. H. Duff et al C. J. W. Felger et al C. J. Gutririe et al C. J. W. Felger et al C. J. J. Considine et al C. J.	Nature of payment.	T
H. C. Bate et al	Salary	
E. W. McGann et al	do	
L. M. Tarr et al	do	
H. F. Alciatore et al	do	
J. J. Gray et al		
L. A. Welch et al	do	
I.G. Linsley et al	do	
E. C. Vose et al	do	
B. Bunnemeyer et al	do	
r. F. Townsend et al	do	
O. C. Burrows et al	do	
F. Ridgway et al.		
E. A. Brown et al	do	
A. R. Wollshor et al	do	
C. F. von Herrmann et al	do	
L. M. Dev et al	do	
Allen Buell et al	do	
F. A. Carpenter et al	do	
E. H. Nimmo et al	do	
J. H. Willson et al.	do	
w. J. myatt et al.	do	
R. M. Hardings et al	do	
A G. Burns et al	do	
H. B. Bover et al	do	
E. H. Clarke et al	do	
3. N. Salisbury et al.	do	
U.G. Purssell et al	do	
C. Stewart et al.	do	
L. J. Guthrie et al	do	
A. McC. Ashley et al.	00	
E. C. Hobbs et al	do	
N. R. Taylor et al	do	
H. Daingerfield et al	do	
W. S. Currier et al.	do	
G. W. Felger et al	do	
F. H. Duff et al	do	
J. B. Marbury et al	do	
James Veneely et al		
D P McCallum et al	do	
R. B. Harkness et al	do	
W. M. Fulton et al.	do	
H. Goucher et al	do	
L. A. Denson et al	- do	
I.J. Considine et al	do	
J. R. Weeks et al.	00	
L. H. Murdoch et al	do	
W M Dudley et al	do	
S. E. Emery et al	do	
W. S. Belden et al	do	
3. T. Todd et al	do	
3. W. Eddey	do	
Peter Wood	de	
B.D. Johnson	do	
do	do	
do do	do	
W.C. McGuiness	do	
B. M. Jacobs	do	
F. L. Lovett	do	
F. J. Walz	do	
J. N. Ryker	do	
J. W. Byram	do	
A. Drinkwater	do	
I. L. Kuble	do	
A H Rell	do	
I. P. Bolton	do	
B. B. McKay	do	
C. W. Ling	do	
C. C. Garrett	do	
H. P. Hardin	do	
H. B. Dick	do	
T. Trosewisch	1 00	

oate.	Name.	Nature of payment.	Tota
1902.			
ec. 31	H. F. Alps A. C. Pickels A. W. Kennie	Salary	\$8
	A. C. Pickels	do	70
	A. W. Kennie	do	2
	A. W. Kenne H. W. Grasse H. Legler J. M. Ware J. J. Kelliher J. C. Piercy P. McDonough D. C. Grunow W. W. Thomas	do	8-
	I M Wara	do	70 8-
	I I Kollibar	do	8
	J. C. Piercy	do	10
	P. McDonough	do	10
	D. C. Grunow	do	8-
	W. W. Thomas Chas. Adie J. P. Slaughter	do	7
	Chas. Adie	do	10
	J.P. Slaughter	do	10
	W. D. Maxwell	do	10
	J. H. Scarr	do	10
	W. D. Maxwell J. H. Scarr J. R. Williams J. M. Kirk	do	10
			15
	C. E. Johnson	do	6
	J. I. Widmever	do	6 10
	N. M. Cunningham	do	8
	C.E.Johnson J.I. Widmeyer N. M. Cunningham F. Newman	do	10
	E. J. Glass J. C. Hayden	do	10
	J. C. Hayden	do	8
			10
	O. W. RODETTS N. D. Lane J. J. Dosher E. D. Coberly W. L. Day G. R. Oberholzer et al J. Warren Smith et al	00	10
	F. D. Coborly	do	7
	W.L. Day	do	10
	G. R. Oberholzer et al	do	14
	J. Warren Smith et al	do	14 55
	C. F. Schneider et al.	do	19
	W. A. Shaw et al	do	12 22
	T. B. Jennings et al	do	22
	Thomas Gibson	do	8
	M. E. Blystone et al.	do	19
	T. S. Collins et al	do	12 37
	J. Warren Smith et al. C. F. Schneider et al. W. A. Shaw et al. T. B. Jennings et al. Thomas Gibson. M. E. Blystone et al. T. S. Collins et al. E. B. Richards et al. W. E. Donaldson et al. Geo. Beesley E. L. Renoe. Sumner Hackett B. H. Dean.	do	16
	Geo Reesley	do	6
	E. L. Renoe	do	$\overset{\circ}{2}$
	Sumner Hackett	do	4
	R. H. Dean	do	10
	E. A. Evans et al.	do	46 6
	L. F. Barger	do	6
	U. D. Stewart	OO	6
	A Brond of al	do	15 13 3
	S S Schworm	do	10
	W S Saunders	do	1
	J. W. Beates	do	7
	J. W. Cronk et al	do	7 13
	B. F. Pauken	do	10
	R. H. Dean E. A. Evans et al L. F. Barger O. D. Stewart W. S. Palmer et al A. Brand et al S. S. Schworm W. S. Saunders J. W. Beates J. W. Cronk et al B. F. Pauken J. C. Yezerski M. Connell	do	7
	M. Connell	do	10
			106,98
	Total second quarter		100,98
903.			
n. 9	M. E. Conway	Salary	7
	P. I. Bontlon	do	2
	F. R. Wicks	do	2 1 1
	Stanley Boykin	do	1
10	R. B. Wicks Stanley Boykin Virgil Wood do	do	
15	do	do	1
20	A. Stallord	do	1 2
	E. Gilliand	do	Z
	G W Scott	do	10
31	A Stafford E. Gilliland Peter Duranceau, jr G. W. Scott A. F. Sims et al R. M. Geddings et al J. B. Marbury et al A. Brand et al David Fisher et al O. L. Fassig et al B. H. Bronson et al S. M. Blandford et al T. L. Bridges et al D. Cuthbertson et al P. H. Smyth et al	do	10 24
91	B. M. Geddings et al	do	17
	J. B. Marbury et al	do	43
	A. Brand et al	do	13
	David Fisher et al	do	15
	O. L. Fassig et al	do	44
	B. H. Bronson et al	do	25 24
	S. M. Blandford et al	do	24
	T. L. Bridges et al	do	52 41
			4.1

	Name.	Nature of payment.
	C. P. Cronk et al J. H. Smith et al L. N. Jesunofsky et al G. R. Oberholzer et al L. M. Pindell et al W. S. Palmer et al F. J. Walz et al S. S. Bassler et al J. Kenealy et al J. Kenealy et al J. Kenealy et al J. W. Bauer et al J. W. Bauer et al J. W. Barrin et al J. W. Barrin et al J. W. Sherier et al J. W. Sherier et al J. M. Shorier et al J. M. Shorier et al J. M. Shorier et al J. M. Callum et al G. W. Chappel et al N. B. Conger et al Orin Parker et al H. W. Richardson et al D. C. Murphy et al A. Ashenberger et al T. J. Considine et al J. L. Cline et al J. L. Cline et al G. W. H. Fallon et al E. H. Bowie et al E. H. Sullivan et al E. W. Conrad et al E. R. Dencinds et al E. R. Collen et al E. R. Ellen et al E. R. Collen et al E. R. Ellen et al E. Ellen et	
L	C.P. Cronk et al	Salary
	J. H. Smith et al	do
	G. P. Obouholzov et al	
	L. M. Pindell et al	do
	W.S. Palmer et al	do
	F. J. Walz et al	do
	S. S. Bassler et al	do
	J. Kenealy et al	do
	A. E. Hackett et al	do
	J. W. Bauer et al	do
	F. Townin et al	do
	I M Shariar at al	do
	D. P. McCallum et al	do
	G. W. Chappel et al	do
	N. B. Conger et al.	do
	Orin Parker et al	do
	H. W. Richardson et al	do
	D. C. Murphy et al	do
	A. Asnenberger et al	do
	I.J. Cline et al	do
	T S Collins et al	do
	Geo. Reeder et al	do
	E. H. Bowie et al	do
	W. H. Fallon et al.	do
	R. H. Sullivan et al	do
	F. W. Conrad et al	do
	L. C. Cover et al	do
	E. R. Demain et al	
ı	P. B. Michols et al.	do
ı	S W Glenn et al	do
	W. T. Blythe et al	do
ļ	R. G. Allen et al	do
i	A. J. Mitchell et al	do
l	W. U. Simons et al.	do
ĺ	W. M. Fulton et al.	do
l	R. Q. Grant et al.	do
	C. F. Schneider et al	do
	G A Loveland et al	do
	E B Richards et al	do
	G. E. Franklin et al	do
	H. B. Hersey et al.	do
	G. N. Wilson et al	do
	J. R. Weeks et al	do
	H. R. Patrick et al	do
	Louis Lodholz et al	do
	W. M. Wilson et al	do
	T. S. Outram et al.	do
	E. R. Demain et al E. S. Nichols et al R. B. Harkness et al S. W. Glenn et al S. W. Glenn et al R. G. Allen et al R. G. Allen et al A. J. Mitchell et al W. T. Blythe et al R. G. Allen et al A. J. Mitchell et al W. U. Simons et al W. W. Simons et al W. W. Simons et al W. M. Fulton et al R. G. Grant et al C. F. Schneider et al R. G. G. Franklin et al R. H. Dean et al G. E. Franklin et al H. B. Hersey et al G. E. Franklin et al H. R. Patrick et al S. C. Emery et al Louis Lodholze tal W. M. Wilson et al J. R. Weeks et al T. S. Outram et al W. M. Dudley et al F. P. Chaffee et al G. E. Grimes et al H. C. Bate et al E. W. McGann et al L. M. Tarr et al H. F. Alciatore et al H. Goucher et al J. J. Gray et al W. A. Shaw et al C. M. Strong et al L. A. Welsh et al J. G. Linsley et al E. R. Ridgway et al E. R. Ridgway et al E. R. Ridgway et al E. R. Sown et al E. A. Brown et al E. A. Brown et al E. A. Brown et al E. A. Evans et al G. W. Eddey W. E. Donaldson et al	do
	F. P. Chaffee et al.	do
	G. E. Grimes et al	do
	H. C. Bate et al	do
	E. W. McGann et al	do
	L. M. Tarr et al	do
	H. Goucher et al	
	I I Gray at al	do
	W. A. Shaw et al	do
	C. M. Strong et al	- do
	L. A. Welsh et al	do
	J.G.Linsley et al	do
	E. C. Vose et al	do
	B. Bunnemeyer et al	do
	C. C. Purmover et el	do
	F Ridgman et al	do
	E A Brown et al	do
	E. P. Jones et al	do
	A. B. Wollaber et al	do
	J. P. Slaughter et al	do
	E. A. Evans et al	do
	G. W. Eddey	do
	W.E.Donaldson et al	do
	A I Dorric of ol	do

	Name.	Nature of payment.	ŗ
	,		
31	C. F. von Herrmann et al. L. M. Dey et al. R. J. Hyall et al. W. E. Oliver et al. L. H. Murdoch et al. A. Buell et al. F. A. Carpenter et al. E. H. Nimmo et al. G. H. Willson et al. R. M. Hardinge et al.	Salary	
	L. M. Dey et al	do	
	R.J. Hyall et al.	do	
	W.E.Oliver et al	do	
	A. Proell et al	do	
	F A Corporator et al	do	
	E H Nimmo et al	do	
	G. H. Willson et al	do	
	R. M. Hardinge et al	do	
	A.G. Burns et al.	do	
	H.B. Boyer et al.	do	
	F. H. Clarke et al	do	
	G. N. Salisbury et al.	do	
	J. W. Cronk et al	do	
	W. C. Puma et al	0D	
	J S Hazan at al	do	
	A. McC. Ashley et al	do	
	E. C. Hobbs et al	do	
	N. R. Taylor et al	do	
	L. H. Daingerfield et al.	do	
	W.S. Currier et al	do	
	E. H. Nillimo et al R. M. Hardinge et al R. M. Hardinge et al A. G. Burns et al H. B. Boyer et al F. H. Clarke et al G. N. Salisbury et al J. W. Cronk et al Chas. Stewart et al W. G. Burns et al J. S. Hazen et al J. S. Hazen et al L. H. Daingerfield et al W. S. Currier et al L. H. Daingerfield et al W. S. Belden et al G. T. Todd et al G. T. Todd et al G. W. Felger et al Peter Wood B. M. Jacobs W. L. Day	do	
	W.S. Belden et al	do	
	G. T. Todd et al.	do	
	Poton Wood	do	
	R M Incohe	do	
	W. L. Day	do	
-			
	J. W. Byram J. N. Ryker A. Drinkwater C. E. Faulhaber	do	
	J. N. Ryker	do	
	A. Drinkwater	do	
-	C. E. Faulhaber	do	
ı	E. D. Emigh	do	
	E. D. Emigh N. D. Lane J. L. Bartlett S. S. Schworm	do	
i	J. L. Bartlett	do	
	S. S. Schworm	do	
	A. H. Bell E. L. Renoe C. W. Ling C. C. Garrett	do	
	C. W. Ling	do	
	C. C. Garrett	do	
	H. P. Hardin	do	
	H. P. Hardin H. B. Dick F. Z. Gosewisch	do	
-	F. Z. Gosewisch	do	
	J. J. Dosher	do	
1	U. W. SCOTT	00	
	A C Dielrole	do	
	Δ W Kannia	do	
	H W Grasse	do	
	Hugo Legler	do	
	M. E. Conway	do	
	Geo. Beesley	do	
1	J. J. Kelliher	do	
	F. Z. Gosewisch J. J. Dosher G. W. Scott H. F. Alps A. C. Pickels A. W. Kennie H. W. Grasse Hugo Legler M. E. Conway Geo. Beesley J. J. Kelliher J. C. Piercy P. McDonough M. E. Blystone D. C. Grunow W. W. Thomas Chas. Adie W. D. Maxwell M. Connell Thos. Gibson J. H. Scarr	do	
	P. McDonough	do	
	M. E. Blystone	do	
	D. C. Grunow	do	
	W. W. Thomas	do	
-	W D Maywall	do	
	M Connell	do	
	Thos. Gibson	do	
	J. H. Scarr	do	
	C. E. Johnson	do	
	N. M. Cunningham	do	
	E. J. Glass	do	
	J. C. Hayden	do	
	J. K. Williams C. E. Johnson N. M. Cunningham E. J. Glass J. C. Hayden J. I. Widmeyer O. W. Roberts Sumner Hackett C. J. Locatt	00	
	U. W. KODEl'IS	u0	
	G. I. Lovett	do	
	G. L. Lovett W. C. McGuiness J. A. Taylordo S. J. McAninch F. H. Duff et al	do	
	J. A. Taylor	do	
Ì	do	do	
		3.	

	3. 31 4 10 12 20 28	O. D. Stewart B. D. Johnson R. M. Covert E. G. Colvin F. R. Wicks U. G. Punssell et al F. R. Beahan et al J. C. Yezerski W. S. Saunders H. F. Barnett E. A. Stafford F. Newman L. F. Barger C. S. Grindle J. P. Bolton A. F. Sims et al R. M. Geddings et al J. B. Marbury et al A. Brand et al D. Fisher et al D. Fisher et al B. H. Brownson et al S. M. Blandford et al T. L. Bridges et al D. Cuthberston et al P. H. Smyth et al C. P. Cronk et al L. N. Jesunofsky et al G. R. Oberholzer et al L. M. Pindell et al F. J. Walz et al S. S. Bassler et al S. S. Bassler et al S. Kenealy et al S. Kenealy et al S. Kenealy et al	Salary
eb.	12 20	O. D. Stewart B. D. Johnson R. M. Covert E. G. Colvin F. R. Wicks U. G. Purssell et al F. R. Beahan et al J. C. Yezerski W. S. Saunders H. F. Barnett E. A. Stafford F. Newman L. F. Barger C. S. Grindle J. P. Bolton	Salary
	12 20	B. D. Johnson R. M. Covert E. G. Colvin. F. R. Wicks U. G. Purssell et al F. R. Beahan et al J. C. Yezerski W. S. Saunders H. F. Barnett E. A. Stafford F. Newman L. F. Barger C. S. Grindle J. P. Bolton	do   do   do   do   do   do   do   do
	12 20	R. M. Covert E. G. Colvin F. R. Wicks U. G. Purssell et al F. R. Beahan et al J. C. Yezerski W. S. Saunders H. F. Barnett E. A. Stafford F. Newman L. F. Barger C. S. Grindle J. P. Bolton	
	12 20	F. R. Wicks U. G. Purssell et al F. R. Beahan et al J. C. Yezerski W. S. Saunders H. F. Barnett E. A. Stafford F. Newman L. F. Barger C. S. Grindle J. P. Bolton	do
	12 20	U. G. Purssell et al F. R. Beahan et al J. C. Yezerski W. S. Saunders H. F. Barnett E. A. Stafford F. Newman L. F. Barger C. S. Grindle J. P. Bolton	do
	12 20	F. R. Beahan et al J. C. Yezerski W. S. Saunders H. F. Barnett E. A. Stafford F. Newman L. F. Barger C. S. Grindle J. P. Bolton	do
	12 20	J. C. Yezerski W. S. Saunders H. F. Barnett E. A. Stafford F. Newman L. F. Barger C. S. Grindle J. P. Bolton	do
	20	W. S. Saunders H. F. Barnett E. A. Stafford F. Newman L. F. Barger C. S. Grindle J. P. Bolton	do do do do
	20	H. F. Barnett E. A. Stafford F. Newman L. F. Barger C. S. Grindle J. P. Bolton	dodo
	20	E. A. Stallord F. Newman L. F. Barger C. S. Grindle J. P. Bolton	do do
	20	L. F. Barger C. S. Grindle J. P. Bolton	do
		C.S. Grindle J. P. Bolton	do
	28	J. P. Bolton	
	28		do
		A. F. Sims et al	do
		R. M. Geddings et al.	do
		J. B. Marbury et al.	do
		A. Brand et al	do
		D. Fisher et al	do
		U. L. Fassig et al.	do
		D. H. Brownson et al	do
		T I. Rridges et al	do
		D. Cuthberston et al	do
		P. H. Smyth et al	do
		C. P. Cronk et al	do
		J. H. Smith et al	do
		L. N. Jesunofsky et al.	do
		G. R. Oberholzer et al.	do
		L. M. Pindell et al	do
		F.J. Walz et al	do
		S. S. Bassler et al	do
		A F Hagkett et al	do
	-	J W Report of	do
		Frank Jermin et al	do
		J. Warren Smith et al	do
		J. M. Sherier et al	do
		D. P. McCallum et al	do
		G. M. Chappel et al	do
		F. H. Duff et al	do
		N. B. Conger et al.	do
		U. Parker et al.	00 do
		D. C. Murphy et al	do
		A Ashenherger et al	do
		T.J. Considine et al	do
		J. L. Cline et al	do
		L. M. Pindell et al F. J. Walz et al S. S. Bassler et al J. Kenealy et al A. E. Hackett et al J. W. Bauer et al J. W. Bauer et al J. W. Bauer et al J. W. Barer et al J. W. Serier et al J. M. Sherier et al D. P. McCallum et al G. M. Chappel et al F. H. Duff et al N. B. Conger et al O. Parker et al H. W. Richardson et al D. C. Murphy et al A. Ashenberger et al J. L. Cline et al E. H. Bowle et al E. H. Bowle et al E. H. Bowle et al W. H. Fallon et al E. R. Demain et al E. R. Demain et al B. R. B. Harkness et al S. W. Glenn et al A. J. Mitchell et al R. J. J. Mitchell et al R. Q. Grant et al R. Q. Grant et al G. S. Schools et al R. Q. Grant et al G. S. Rocheder et al R. Q. Grant et al G. S. Rocheder et al R. D. Compore et al G. J. J. Dosher et al G. G. A. Loveland et al G. G. R. Loveland et al	do
		Geo. Reeder et al	do
		E. H. Bowie et al	do
		W. H. Fallon et al	do
		F. W. Courad et al	do
		E. C. Cover et al	00
		E. R. Demain et al	do
		R. B. Harkness et al	do
		S. W. Glenn et al	do
		W. T. Blythe et al	do
		A. J. Mitchell et al	do
		P. Connor et al.	do
		W. U. Simons et al	do
		J. J. Dosher et al.	do
		W. M. Fulton et al	do
		R. Q. Grant et al	do
		C. F. Schneider et al.	
		K. H. Dean et al	do
		F. P. Pichards et al	0
		G E Franklin et al	do
		H B Hersey et al	do
		E. B. Richards et al G. E. Franklin et al H. B. Hersey et al G. N. Wilson et al J. R. Weeks et al H. R. Patrick et al S. C. Emery et al. W. M. Wilson et al T. S. Outram et al W. M. Dudley et al F. P. Chaffee et al	do
		J. R. Weeks et al	do
		H. R. Patrick et al	do
		S.C. Emery et al.	do
		W. M. Wilson et al.	dodo
		T. S. Outram et al	do
		W M Dudloy of al	3.

# 414 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

 $Expenditures of \ Department of \ Agriculture for year \ ending \ June \ 30, 1903-{\bf Cont'd.}$ 

e.	Name.	Nature of payment.	Т
3.	,		
28	G. E. Grimes et al H. C. Bate et al	Salary	
	H. C. Bate et al	do	
	E. W. McGann et al	do	
	L. M. Farr et al	do	
	P. F. Alciatore et al.	do	
	H. Goucher et al.	00	
	C M Strong et al	do	
	I. A Watch at al	do	
	J. G. Linsley et al	do	
	E.C. Vose et al	do	
	B. Bunnemeyer et al	do	
	T. F. Townsend et al.	do	
	M. E. Blystone et al	do	
	G. W. Eddey	do	
	I. C. Burrows et al	do	
	F. E. Ridgway et al.	do	
	E. A. Brown et al	do	
	E. P. Jones et al	do	
	A. B. Wollaber et al	do	
	J. P. Slaughter et al	do	
	U. F. von Herrmann et al		
	P. I. Hyell et al		
	W E Oliver et al	do	
	G. E. Grimes et al. H. C. Bate et al. E. W. McGann et al. L. M. Farr et al. P. F. Alciatore et al. H. Goucher et al. W. A. Shaw et al. C. M. Strong et al. L. A. Welsh et al. J. G. Linsley et al. E. C. Vose et al. B. Bunnemeyer et al. T. F. Townsend et al. M. E. Blystone et al. G. W. Eddey I. C. Burrows et al. F. E. Ridgway et al. E. A. Brown et al. E. A. Brown et al. C. F. Yon Herrmann et al. C. F. Von Herrmann et al. R. J. Hyall et al. W. E. Oliver et al. R. J. Hyall et al. W. E. Oliver et al. L. H. Murdoch et al. A. Buell et al. F. F. A. Carpenter et al. F. F. A. Carpenter et al. F. F. A. Carpenter et al. F. F. Carpenter et al. F. F. Carpenter et al. F. F. A. Carpenter et al. F. F. Carpenter et al. F. F. Carpenter et al. F. F. Carpenter et al.	do	
	A Ruell et al	do	
	L. H. Murdoch et al A. Buell et al F. A. Carpenter et al E. H. Himmo et al G. H. Willson et al R. M. Hardinge et al A. G. Burns et al H. B. Boyer et al F. H. Clarke et al G. N. Salisbury et al J. W. Cronk et al U. G. Purssell et al C. Stewart et al W. G. Burns et al	do	
	E. H. Himmo et al	do	
	G. H. Willson et al	do	
	R. M. Hardinge et al	do	
	A. G. Burns et al.	do	
	H. B. Boyer et al.	do	
	F. H. Clarke et al	do	
	G. N. Salisbury et al.	do	
	J. W. Cronk et al	do	
	U. G. Purssell et al	do	
	C. Stewart et al.	do	
	W.G. Burns et al	do	
	A. McC. Ashley et al.	00	
	C. Stewart et al W. G. Burns et al A. McC. Ashley et al N. R. Taylor et al F. R. Beahan et al L. H. Daingerfield et al W. S. Currier et al T. B. Jennings et al W. S. Belden et al G. T. Todd et al G. W. Felger et al Peter Wood W. C. McGuiness B. M. Jacobs	do	
	I. H Daingarfield at al	do	
	W. S. Currier et al	do	
	T. B. Jennings et al	do	
	W. S. Belden et al.	do	
	G. T. Todd et al.	do	
	G. W. Felger et al	do	
	Peter Wood	do	
	W.C. McGuiness	do	
	B. M. Jacobs	do	
	W.L. Day	do	
	J. N. Ryker G. L. Lovett	do	
	J. W. Byram	do	
	A. Drinkwater	do	
	E. D. Emigh	do	
	L. F. Barger	do	
	L. F. Barger J. L. Bartlett	do	
	S. S. Schworm	do	
	A. H. Bell	do	
	J. P. Bolton	do	
	R. H. Sullivan	do	
	C. W. Ling C. C. Garrett	do	
	U. U. Garrett		
	H. P. Hardin	do	
	H. B. Dick		
	W. P. Stewart		
	F. Z. Gosewisch G. W. Scott	do	
	H. F. Alps	do	
	A. W. Kennie	do	
	H. W. Grassee	do	
	H. Legler	do	
	M. E. Conway	do	
	J. J. Kelliher	do	
	J. J. Kelliher J. C. Piercy P. McDonough	do	
	P. McDonough	do	
	D. C. Grunow W. W. Thomas	do	

Date.	Name.	Nature of payment.	Tota
1903.	S. Boyken Chas. Adie W. D. Maxwell M. Connell S. C. Calvert Thos. Gibson J. R. Williams E. C. Hobbs C. E. Johnson N. M. Cunningham W. Bell J. C. Hayden J. I. Widmeyer W. E. Moore R. L. Bentler A. J. Davis et al W. S. Palmer et al E. A. Evans et al J. S. Hazen et al L. Lodholz et al J. H. Sagre		
eb. 28	S. Boyken	Salary	\$6
	Chas. Adie	do	6
	W. D. Maxwell	do	6
	S. C. Colvert	do	õ
	Thos Gibson	do	7
	J. R. Williams	do	7
	E. C. Hobbs	do	ē.
	C. E. Johnson	do	29
	N. M. Cunningham	do	2
	W. Bell	do	
	J. C. Hayden	do	7
	W. F. Moore	do	5
	R. I. Rentler	do	2
	A. J. Davis et al	do	12
	W. S. Palmer et al.	do	14 37
	E. A. Evans et al.	do	37
	J. S. Hazen et al	do	18
	L. Lodholz et al	do	1]
	J. H. Scarr O. W. Roberts S. P. Gresham	do	ć
	C. W. ROBERTS	do	
	S. P. Gresnam do S. Hackett	do	ģ 4
	S Hackett	do	4
	G. Beesley	do	6
	S.Hackett G. Beesley E. L. Renoe G. B. Wurtz F. Newman J. J. Gray et al L. C. Ross N. D. Lane J. C. Yezerski W. Hull	do	2
	G. B. Wurtz	do	4
	F. Newman	do	9
	J. J. Gray et al	do	30
	L. C. Ross	do	į
	N.D. Lane	00	3
	M. Hull	do	
	E. J. Glass W. E. Donaldson et al	do	1
	E. G. Colvin	do	
	E. G. Colvin. H. L. Wilcox R. G. Allen et al E. H. Faustman	do	
	R. G. Allen et al	do	3
Iar. 9	E.H. Faustman	do	
4.20	Merin Hull	00	
17	W.S. Saunders W.E. Moore	do	1
9.4	T P Fellihoo	do.	
24 31	A F Sims et al	do	2- 1: 4:
91	R. M. Geddings et al	do	ĩ
	J. B. Marbury et al	do	4
	A. Brand et al	do	1
	D. Fisher	do	1.
	W.E.Donaldson et al	do	1
	W. E. Moore J. P. Fallihee A. F. Sims et al R. M. Geddings et al J. B. Marbury et al A. Brand et al D. Fisher W. E. Donaldson et al B. H. Bronson et al B. M. Blandford et al D. Cuthbertson et al P. H. Smyth et al	do	2
	S. M. Blandford et al	do	2
	D. Cutilibertson et al	do	2. 4. 2.
	C P Cronk et al	do	1
	P. H. Smyth et al C.P. Cronk et al J. H. Smith et al L. N. Jesunofsky et al G. R. Oberholzer et al L. M. Pindell et al S. S. Bassler et al James Kenealy et al A. E. Hackett et al J. W. Bauer et al J. W. Bauer et al J. W. Barren Smith et al F. Jermin et al J. M. Sherier et al J. A. Barwick et al G. M. Chappel et al N. B. Conger et al O. Parker et al	do	19
	L. N. Jesunofsky et al	do	19 19 2
	G. R. Oberholzer et al	do	1 2 4
	L. M. Pindell et al	do	2
	S. S. Bassler et al	do	4
	James Kenealy et al.	do	4
	A.E. Hackett et al.	do	2
	J. W. Bauer et al.		2 2 5
	F. Tarmin et al	do	9
	J M Sherier et al	do	1
	J. A. Barwick et al	do	3
	G. M. Chappel et al	do	4
	N. B. Conger et al.	do	1: 2: 3: 4: 5:
	O. Parker et al	do	1.3
	N. B. Conger et al O. Parker et al H. W. Richardson et al D. C. Murphy et al A. Ashenberger et al T. J. Considine et al G. B. Wurtz et al J. L. Cline et al T. S. Colline et al C. S. Colline et al W. H. Fallon et al	do	3
	D. C. Murphy et al.	do	1
	A. Ashenberger et al	do	1.
	T. J. Considine et al	do	2
	G. B. Wurtz et al	do	13
	J. L. Cline et al	00	1 1
	L S COURTS AT 91	OO	1
	Coo Boodon ot al	al o	1

Expenditures of Department of Agriculture for year ending June 30, 1903—Cont'd.

e.	Name.	Nature of payment.
3.	F. W. Conrad et al L. C. Cover et al L. C. Cover et al L. R. B. Markness et al A. J. Davis et al R. B. Harkness et al S. W. Glenn et al W. T. Blythe et al R. G. Allen et al A. J. Mitchell et al P. Connor et al W. U. Simons et al J. J. Dosher et al W. M. Fulton et al R. Q. Grant et al G. A. Loveland et al G. A. Loveland et al G. A. Loveland et al G. S. Wilson et al J. R. Weeks et al H. B. Hersey et al J. R. Weeks et al H. R. Patrick et al S. C. Emery et al L. A. Denson et al W. M. Wilson et al T. S. Outram et al W. M. Wilson et al T. S. Outram et al H. F. P. Chaffee et al Geo. E. Grimes et al H. C. Bate et al E. W. M. Gann et al L. M. Tarr et al H. F. Alciatore et al H. F. Alciatore et al J. J. Gray et al C. M. Strong et al L. A. Welsh et al J. J. Gray et al C. M. Strong et al L. A. Welsh et al J. J. Gray et al E. P. Jonse et al A. B. Goucher et al A. B. C. Unsley et al E. P. Jones et al A. B. C. Ashley et al E. P. Jones et al A. B. C. Ashley et al E. A. Brown et al E. A. Brown et al C. F. Townsend et al D. P. Slaughter et al E. A. Brown et al E. H. Nimmo et al E. H. Rimmo et al E. H. Nimmo et	
31	F. W. Conrad et al	Salary
	F. W. Conrad et al L. C. Cover et al	dő
	E. R. Demain et al	do
	A.J. Davis et al.	do
	K. B. Harkness et al	OD
	W T Blythoot ol	do
	R. G. Allen et al	do
	A J Mitchell et al	do
	P. Connor et al.	do
	W. U. Simons et al.	do
	J. J. Dosher et al.	do
	W. M. Fulton et al	do
	R. Q. Grant et al	do
	G.A. Loveland et al	do
	G. E. Franklin et al	do
	H. B. Hersey et al	do
	I R Washe at al	do
	H R Patrick et al	do
	S C Emery et al	do
	L. A. Denson et al	do
	W. M. Wilson et al	do
	T. S. Outram et al	do
	W. M. Dudley et al	do
	F. P. Chaffee et al.	do
	Geo. E. Grimes et al	do
	H.C. Bate et al	do
	E. W. McGann et al.	do
	L. M. Tarr et al.	do
	H. F. Alciatore et al	do
	H. Goucher et al.	do
	J.J. Gray et al.	do
	C M Strong et al	do
	L. A. Wolsh of al	do
	J. G. Linsley et al	do
	E C Vose et al	do
	B. Bunnemeyer et al	do
	M. E. Blystone et al	do
	T. F. Townsend et al	do
	O. C. Burrows et al	do
	A. McC. Ashley et al.	do
	E. A. Brown et al	do
	E. P. Jones et al	do
	A. B. Wollaber et al	do
	J. P. Slaughter et al	do
	F A Evens et al	do
	I. M. Dov et al	do
	B. J. Hvatt et al	do
	W E Oliver et al	do
	L. H. Murdoch et al	do
	A. Buell et al	do
	F. A. Carpenter et al.	do
	E. H. Nimmo et al	do
	G. H. Willson et al.	do
	R. M. Hardinge et al.	do
	H. B. Boyer et al	do
	G. N. Salisbury et al.	do
	F. H. Clarke et al	do
	J. W. Cronk et al	do
	Charles Starrent et al	do
	Wm C Puma et al	do
	J S Hazen et al	do
	M R Sanford et al	do
	Um. G. Burns et al J.S. Hazen et al J.S. Hazen et al M. R. Sanford et al N. R. Taylor et al T. R. Beahan et al	do
	T. R. Beahan et al	do
	W. S. Currier et al.	do
	W.S. Currier et al. T.B. Jennings et al. W.S. Belden et al. G. T. Todd et al.	do
	W. S. Belden et al.	do
	G. T. Todd et al	do
	ti. W. Felger et al	
	G. W. Eddey Peter Wood	do
	Peter Wood	do
	W. C. McGuiness	do
	Joseph Bily, jr.	do

# $Expenditures \ of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1903-{\bf Cont'd}.$

Date.	Name.	Nature of payment.	Total.
1903.	B. M. Jacobs W. L. Day G. L. Loyett J. N. Ryker J. W. Byram A. Drinkwater D. P. McCallum E. D. Emigh C. E. Johnson A. H. Bell J. P. Bolton R. H. Sullivan C. W. Ling C. C. Garrett H. P. Hardin F. Z. Gosewisch G. W. Scott H. F. Alps A. W. Kennie H. W. Grasse H. Legler M. E. Conway J. J. Kelliher J. J. Kelliher J. J. Kelliher J. C. Diercy E. Hardeland E. L. Renoe P. McDonough F. Ridgway D. C. Grunow		
[ar. 31	B. M. Jacobs	Salary	\$25. 103.
	W.L.Day	do	105.
	J N Ryker	do	103. 103. 103. 51.
	J. W. Byram	do	103.
	A. Drinkwater	do	51.
	D. P. McCallum	do	103.
	E. D. Emigh	do	86. 62. 103.
	C. E. Johnson	do	102.
	I P Rolton	do	103.
	R H Sullivan	do	103.
	C. W. Ling	do	86.
	C. C. Garrett	do	103. 86. 72.
	H.P. Hardin	do	86.
	F. Z. Gosewisch	do	103. 103. 86.
	G. W. Scott	00	103.
	H. F. Alps	do	80.
	H W Green	do	25. 86. 72. 72.
	H Legler	do	72.
	M. E. Conway	do	72.
	J.J. Kelliher	do	86.
	J. C. Piercy	do	86. 103.
	E. Hardeland	do	25.
	E.L. Renoe	do	25. 25. 103. 155. 86. 72.
	P. McDonough	00	103.
	D. C. Grupow	do	199. 86
	W W Thomas	do	72.
	W. D. Maxwell	do	103.
	Maurice Connell	do	103. 103. 86.
	Thomas Gibson	do	86.
	J. H. Scarr	do	103.
	J. R. Williams	do	103.
	F. C. Hobbs	do	103. 46. 103.
	N. M. Cunningham	do	63.
	F Nawman	do	103
	E. J. Glass	do	103. 103. 86.
	J. C. Hayden	do	86.
	J. I. Widmeyer	do	103.
	O.W. Roberts	do	103.
	S. Hackett	do	103. 103. 62. 58.
	Joseph Sands	do	58.
	W.F.Grunow	do	47. 144.
	O. I. Fassio et al	do	433
	T L Bridges et al	do	433. 490.
	W.S. Palmer et al	do	160.
	F.J. Walz et al	do	650.
	E. S. Nichols et al.	do	117.
	E. H. Renoe P. McDonough F. Ridgway D. C. Grunow W. W. Thomas W. D. Maxwell Maurice Connell Thomas Gibson J. H. Scarr J. R. Williams G. J. Gallaher E. C. Hobbs N. M. Cunningham F. Newman E. J. Glass J. C. Hayden J. I. Widmeyer O. W. Roberts S. Hackett Joseph Sands W. F. Grunow F. H. Duff et al O. L. Fassig et al T. L. Bridges et al W. S. Pallmer et al F. J. Walz et al E. S. Nichols et al C. F. Schneider et al R. H. Dean et al R. H. Dean et al M. T. Nesmith N. D. Lane J. W. Wolcott E. B. Richards et al G. H. Johnson Chas. Adie J. C. Yezerski C. J. Mc Anineh E. A. Stafford do R. L. Bentler H. B. Hobbs A. J. Pregenary	do	160. 650. 117. 201.
	K. H. Dean et al	do	128. 171.
	M. T. Nosmith	do	171.
	N D Lane	do	34. 103.
	J. W. Wolcott	do	31
	E. B. Richards et al	do	31. 426.
	G. H. Johnson	do	9. 72.
	Chas. Adie	do	72.
	J. C. Yezerski	do	48.
	C.J. McAninch	do	5.
	E. A. Stanord		6.
	R. L. Rentler	do	24. 21
	H. B. Hobbs	do	21. 29.
	A. L. Brockway	do	36.
	R. L. Miller	do	60
	H. B. Dick	do	86.
	GO R. L. Bentler H. B. Hobbs A. L. Brockway R. L. Miller H. B. Dick Geo. Beesley C. W. Gibbs	do	86. 62. 18.
	C. W. Gibbs	do	18.
	Total third quarter		108,005.
n 11	W C Coundous	Colony	0.0
r. 11	W. S. Saunders R. L. Bentler John Langsdorf Gould Harrison	Saiary	26. 20.
	John Langsdorf	do	20. 5. 2.
	O CARLA LAWING CHOIL		0.

 $Expenditures of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1903-Cont'd.$ 

€.	Name.	Nature of payment.	Tot
	•		
11	R. A. Gardiner D. F. Manning	Salary	
14	D. F. Manning	do	
	L. H. Sebbes	do	
21	J. P. Fallihee	do	
	do	do	
20	H. I. Stine	do	
30	A. F. Sims et al		4
	F. H. Duff et al.	do	1
	A Brend ot ol	do	1
	R M Goddings at al	do	i
	David Fisher et al	do	j
- 1	F. H. Duff et al. J. B. Marbury et al. A. Brand et al. R. M. Geddings et al. David Fisher et al. O. L. Fassig et al. W. E. Donaldson et al. B. H. Bronson et al. B. M. Blandford et al.	do	4
	W. E. Donaldson et al	do	j
	B. H. Bronson et al	do	2
	S. M. Blandford et al	do	2
	T. L. Bridges et al	do	Ę
	S. M. Blandford et al T. L. Bridges et al D. Cuthbertson et al P. H. Smyth et al	do	2
	P. H. Smyth et al	do	2
	C. P. Cronk et al		į
	J. H. Smith et al.	do	]
	L. M. Pindell et al L. N. Jesunofsky et al G. R. Oberholzer et al W. S. Palmer et al F. J. Walzet al	do	2
	G. R. Oberholzer et al	do	1
- 4	W S Palmer et al	do	í
Ť	F.J. Walzet al	do	â
1	S. S. Bassler et al	-do	4
- 1	James Kenealy et al	do	4
- 1	A. E. Hackett et al J. W. Bauer et al J. Warren Smith et al	do	2
- 1	J. W. Bauer et al	do	2
1	J. Warren Smith et al	do	2
	Frank Jermin et al	do	1
	J. M. Sherier et al	do	1
- 1	C. E. Linney et al.	do	4
	C. E. Linney et al. G. M. Chappel et al. N. B. Conger et al.	do	4
	O Dowlrow et al	do	5
	H W Richardson et al	do	1 9
- 11	D C Murphy of al	do	í
	A Ashenherger et al	do	i
	H. W. Richardson et al. D. C. Murphy et al. A. Ashenberger et al. T. J. Considine et al. G. B. Wurtz et al. L. Uling et al.	do	1 2
1	G. B. Wurtz et al	do	1
	J. L. Cline et al	do	1
	J. L. Cline et al T. S. Collins et al	do	1
	Geo. Reeder et al E. H. Bowie et al W. H. Fallon et al F. W. Conrad et al L. C. Cover et al	do	2
- 1	E. H. Bowie et al.	do	5
	W. H. Fallon et al	do	1
- 1	F. W. Conrad et al.	00	1
	A. I. Dowig et al	do	i
	E.S. Nichols et al	do	í
1	R B Harkness et al	do	1
	S. W. Glenn et al	do	2
	W. T. Blythe et al	do	4
	R. G. Allen et al	do	:
	A. J. Mitchell et al.	do	5
	L. C. Cover et al A. J. Davis et al A. J. Davis et al E. S. Nichols et al R. B. Harkness et al W. T. Blythe et al W. T. Blythe et al W. T. Blythe et al P. Connor et al V. U. Simons et al J. J. Dosher et al J. J. Dosher et al W. M. Fulton et al R. Q. Grant et al C. F. Schneider et al H. B. Hersey et al G. A. Loveland et al G. E. B. Richards et al G. E. Franklin et al	do	9
	W. U. Simons et al.	do	2
	J. J. Dosner et al.		1
1	P. O. Cuent et al.	do	1
	C. F. Sahnoidan et al	do	i
	H R Harcay at al	do	5
	G A Loveland et al	do	4
	E. B. Richards et al	do	3
	G. E. Franklin et al	do	2
	G. E. Franklin et al G. N. Wilson et al	do	1
	H R Patrick et al	do	1
		do	8
1	L. A. Denson et al	do	1
	S. C. Emery et al L. A. Denson et al. W. M. Wilson et al T. S. Outram et al W. M. Dudley et al F. P. Chaffee et al Geo. E. Grimes et al H. C. Bate et al E. W. McGann et al L. M. Tarr et al H. F. Alciatore et al Henry Goucher et al	do	5
	T. S. Outram et al	do	4
	W. M. Dudley et al	do	1
	F. P. Chaffee et al	do	2
	Geo. E. Grimes et al	00	1
	H. U. Bate et al	do	5
	L. W. MCGann et al.	do	$\frac{1}{2}$
			6

	Name.  J. J. Gray et al. W. A. Shaw et al. C. M. Strong et al. L. A. Welsh et al. J. G. Linsley et al. E. C. Vose et al. B. Bunnemeyer et al. T. F. Townsend et al. Geo. Hass Hagen et al. A. McC. Ashley et al. E. A. Brown et al. E. P. Jones et al. A. B. Wollaber et al. D. F. Staughter et al. D. F. Yon Hermann et al. E. A. Evans et al. L. M. Dey et al. E. A. Evans et al. L. M. Dey et al. E. J. Hyatt et al. W. E. Oliver et al. Allen Buell et al. F. A. Carpenter et al. E. H. Nimmo et al. E. H. Nimmo et al. E. H. Willson et al. L. H. Murdoch et al. E. M. Hardinge et al. A. G. Burns et al. B. W. Salisbury et al. G. N. Salisbury et al. U. G. Purssell et al. U. G. Purssell et al. U. R. Sarnford et al. U. R. Taylor et al. D. S. Harding et al. W. R. Sanford et al. E. C. Hobbs et al. W. R. Taylor et al. E. R. Demain et al. E. R. Deming. E. D. Finglia et al. E. R. Demain et al. E. R. D	Nature of payment.	То
30	J.J. Gray et al.	Salary	\$
	W. A. Shaw et al.	do	
	C. M. Strong et al	do	- 6
В	J. G. Linsley et al	do	
1	E. C. Vose et al	do	
	B. Bunnemeyer et al	do	
	T. F. Townsend et al.	do	(
	Geo. Hass Hagen et al.	do	
	E A Brown et al	do	
	E. P. Jones et al	do	2
	A. B. Wollaber et al	do	4
	J. P. Slaughter et al	do	
	C.F. von Hermann et al.	do	4
	I. M Dev et al	do	-
	R. J. Hvatt et al	do	-
	W. E. Öliver et al	do	4
	Allen Buell et al.	do	- 1
	F. A. Carpenter et al	do	
	G. H. Willson et al	do	į
	L. H. Murdoch et al	do	-
	R. M. Hardinge et al	do	
	A. G. Burns et al	do	
	H. B. Boyer et al	do	2
1	G N Salishury at al	do	
	J. W. Cronk et al	do	
	U. G. Purssell et al	do	
	Chas. Stewart et al	do	
- 1	Wm. G. Burns et al.	do	
	M. R. Sanford et al	do	
	E. C. Hobbs et al	do	
ļ	N. R. Taylor et al	do	
-	F. R. Beahan et al	do	
	L. H. Daingerfield et al.	do	
	W.S. Currier et al.	do	- 2
	W S Relden et al	do	-
-	G. W. Felger et al	do	
Į	G. T. Todd et al	do	
	E. R. Demain et al	do	2
-	M. E. Blystone et al.	do	7
- 1	Peter Wood	do	
	W. C. McGuiness	do	
-	B. M. Jacobs	do	
	W.L.Day	do	
-	I. W. Pyrom	do	
	J. W. Dyram J. N. Ryker	do	
	A. Drinkwater	do	
	D. P. McCallum	do	
	E. D. Emigh	do	
	U. E. Johnson	do	
	A. H. Bell	do	
	J. P. Bolton	do	
	R. H. Sullivan	do	
	C. W. Ling	do	
	C. C. Garrett	do	
	F Z Gosewisch	do	
	G. W. Scott	do	
	H.F. Alps	do	
	A. W. Kennie	do	
	F. G. Halgren	do	
	M. F. Conway	do	
	L.S. Parrott	do	
	J. J. Kelliher	do	
	J. C. Piercy	do	
	P. McDonough	do	
	U. U. Burrows	do	1
	r. magway	00	

Expenditures of Department of Agriculture for year ending June 30, 1903—Cont'd. GENERAL EXPENSES—SALARIES—WEATHER BUREAU—Continued.

Date.	Name.	Nature of payment.	Total.
1903.	,		
Apr. 30	Charles Adie	Salary	\$69.
-r	W. D. Maxwell	do	98.
	M. Connell	do	98.
	Thomas Gibson	do	82.
	J. H. Scarr		98.
	C. V. Brown		29.
	J. R. Williams		98.
	S. Boykin	do	69.
	H. MeP. Baldwin	do	82.
	N. M. Cunningham	do	82.
	F. Newman	do	98.
	E.J. Glass	do	98.
	J. C. Hayden	do	90. 82.
	J. I. Widmeyer	do	98.
	O.W. Pohowta	u0	
	O. W. Roberts		98.
	S. Hackett	ao	59.
	H. W. Grasse	ao	82.
	H. B. Dick	do	82.
	R. H. Dean		123.
	J. R. Weeks et al	do	128
	D. F. Manning	do	30.
	A. E. Heath	do	59.
ay 5	E. L. Renoe	do	25.
12	Lester Hamilton	do	16.
	J. C. Yezerski		83.
16	do	do	16.
	B.J. Cardwell	do	4.
27	J. D. Burns	do	19.
31	F. H. Duff et al	do	143.
	A. Brand et al.		132.
	S. M. Blandford et al	do	243.
	T. L. Bridges et al	do	526.
	P. H. Smyth et al	do	223
	L. N. Jesunofsky et al	do	240.
	F. J. Walz et al.	do	521
	S. S. Bassler et al.	do	461.
	J. Kenealy et al	do	451.
	A. E. Hackett et al	do	225
	G. M. Chappel et al	do	427
	O. Parker et al	do	151.
	D. C. Murphy et al.	do	132.
	G. B. Wurtz et al.	do	132.
	Geo. Reeder et al		213.
	L. H. Murdoch et al		502.
	E. R. Demain et al	do	202.
	A. T. Donie at al	ao	136.
	A. J. Davis et al	ao	
	S. W. Glenn et al		243.
	W. T. Blythe et al	do	446.
	J. J. Dosher et al	do	86.
	E. B. Richards et al	do	410.
	H. B. Hersey et al	do	564.
	W. M. Wilson et al.	do	582.
The state of the s	F. P. Chaffee et al.		286.
	G. E. Grimes et al.	do	126.
	H. C. Bate et al.	do	531.
	L. M. Tarr et al	do	253.

W. Cronk et al.

482.20 610.20143.00 707.00 143.00 550.40243.60187.40 340.80

223, 20 102.20213.00 172.20183.13

132.80182, 40 173.80 173, 80 132.80 253.80

240.20429.40 151.60

	Name.	Nature of payment.
	B. H. Bronson et al O. L. Fassig et al David Cuthbertson et al J. H. Smith et al G. R. Oberholzer et al L. M. Pindell et al W. S. Palmer et al J. Warren Smith et al J. W. Bauer et al J. W. Bauer et al J. W. Bremin et al J. W. Bremin et al J. W. Bouer et al Frank Jermin et al J. W. Bichardson et al A. Shenberger et al T. J. Considine et al J. L. Cline et al T. J. Considine et al W. H. Fallon et al W. H. Fallon et al E. S. Nichols et al B. S. Nichols et al R. G. Allen et al P. Connor et al R. G. Allen et al P. C. Oconor et al R. Q. Grant et al	
.	B. H. Bronson et al	Salary
	O. L. Fassig et al	do
	David Cuthbertson et al	do
	G. R. Oberholzer et al	do
	L. M. Pindell et al	do
	W. S. Palmer et al	do
	J. Warren Smith et al	do
-	J. W. Bauer et al	do
	J M Sherier et al	do
	C. E. Linney et al	do
	N. B. Conger et al	do
	H. W. Richardson et al	do
	A. Ashenberger et al	do
	J. J. Cline et al	do
	T. S. Collins et al.	do
	W. H. Fallon et al	do
	F. W. Conrad et al	do
	L. C. Cover et al	do
	R. G. Allen et al	ob.
	P. Connor et al.	do
	R. Q. Grant et al	do
	C. F. Schneider et al	do
	L. C. Cover et al E. S. Nichols et al R. G. Allen et al R. G. Allen et al P. Connor et al R. Q. Grant et al R. Q. Grant et al C. F. Schneider et al G. A. Loveland et al G. E. Franklin et al G. E. Franklin et al G. E. Franklin et al G. N. Wilson et al S. C. Emery et al L. A. Denson et al E. W. McGann et al J. J. Gray et al L. A. Welsh et al J. J. Linsley et al L. A. Welsh et al J. J. Linsley et al E. C. Vose et al Frank Ridgway et al E. P. Jones et al J. P. Slaughter et al C. F. von Herrmann et al J. H. Scarr et al E. H. Bowie et al F. A. Carpenter et al G. H. Willson et al F. H. Clarke et al G. N. Salisbury et al U. G. Purssell et al Wm. G. Burns et al J. S. Hazen et al A. McC. Ashley et al G. T. Todd et al G. W. Felger et al G. W. Eddey Peter Wood W. C. McGuiness B. M. Jacobs W. L. Day G. L. Lovett J. N. Byram A. Drinkwater	do
	G. E. Franklin et al	do
	S. C. Emery et al	do
	L. A. Denson et al.	do
	E. W. McGann et al.	do
	J.J. Gray et al.	do
	W. A. Snaw et al.	do
	L. A. Welsh et al	do
	J.J. Linsley et al	do
	E. C. Vose et al.	do
	Frank Ridgway et al	do
	I P Slaughton et al	do
	C. F. von Herrmann et al	do
	J. H. Scarr et al.	do
	E. H. Bowie et al.	do
	F. A. Carpenter et al	do
	F. H. Clarke et al.	do
1	G. N. Salisbury et al	-do
	U. G. Purssell et al	do
	Wm. G. Burns et al.	do
	J. S. Hazen et al	do
	E. C. Hobbs et al.	do
	W. S. Belden et al	do
	G.T. Todd et al	do
	G. W. Felger et al	do
(	d. W. Eddey	do
	W C McGuiness	00
	B. M. Jacobs	do
	W. L. Day	do
	G. L. Lovett	do
•	J. N. Ryker	do
•	J. W. Byram	do
-	C E Johnson	do
	A. H. Bell	do
	J. P. Bolton	do
]	R. H. Sullivan	do
	U. W. Ling	do
	H P Hardin	do
	H. B. Dick	do
	F. Z. Gosewisch	do
	G. W. Scott	do
	G. L. Lovett J. N. Ryker J. N. Ryker J. W. Byram A. Drinkwater C. E. Johnson A. H. Bell J. P. Bolton R. H. Sullivan C. W. Ling C. C. Garrett H. P. Hardin H. B. Dick F. Z. Gosewisch G. W. Scott H. F. Alps A. W. Kennie H. Legler M. E. Conway L. S. Parrott	do
	A. W. Kennie	do
	M.E. Conway	do
	and the contract of the contra	40

 $Expenditures \ of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30, 1903---Cont'd.$ 

ate.	Name.	Nature of payment.
03.	•	
y 31	J. J. Kelliher	Salary
	J. C. Piercy	do
	D. C. Grunow	do
	P. McDonough W. W. Thomas	do
	Charles Adie	do
	M. Connell	do
	Thos. Gibson	do
	J. R. Williams W. F. Clark	do
	Stanley Boyken	do
	A. E. Heath	do
	H. McP. Baldwin	do
	F. Newman E. J. Glass	do
	J. C. Hayden	
	J. I. Widmeyer	1do
	J. I. Widmeyer W. D. Maxwell	do
	D. P. McCallum	do
	C. B. Bright	do
	O. W. Roberts A. J. Mitchell et al.	do
	W. U. Simons et al.	do
	W. M. Fulton et al	do
	E. A. Brown et al	do
	R. M. Geddings et al	do
	R. B. Harkness et al	do
	R. H. Dean et al. T. B. Jennings et al.	do
	N D Lane	do
	E.L. Renoe	do
	S. Hackett	do
	W. E. Donaldson et al	do
3	C. P. Cronk et al	do
	H. R. Patrick et al T. S. Outram et al	do
	W. M. Dudley et al	do
	E. A. Evans et al	do
	F A Lanhead	do
	E. D. Emigh J. R. Weeks et al A. B. Aymard	do
	J. R. Weeks et al.	do
	H. Curry	do
0	D. F. Manning	do
18	R. E. Ramsdell	do
	H. W. Grasse	do
	Lester Hamilton	do
00	do	do
30	G. W. Eddey Peter Wood	do
	W. C. McGuiness	do
	W. C. McGuiness B. M. Jacobs	do
	W. L. Dav	do
	G. L. Lovett	do
	J. N. Ryker J. W. Byram	do
	R. H. Sullivan	do
	J. P. Bolton	do
	A. H. Bell	do
	N.D.Lane	do
	C. E. Johnson	do
	E. D. Emigh A. Drinkwater	do
	C. W. Ling	do
	C. W. Ling D. P. McCallum	do
	C. C. Garrett	do
	H. P. Hardin	do
	H. B. Dick	do
	F. Z. Gosewisch J. J. Dosher	do
	E. J. Glass	do
	G W Scott	do
	H. F. Alps H. Legler A. W. Kennie A. B. Aymard	do
	H. Legler	do
	A. W. Kennie	do
	A. B. Aymard	do
	B. C. Kådel H. W. Grasse	do
	H. W. Grasse M. E. Conway	do
		do do

te.	Name.  J. J. Kelliher J. C. Piercy P. McDonough D. C. Grunow W. W. Thomas Charles Adie W. D. Maxwell M. Connell T. Gibson J. R. Williams S. Boykin N. R. Taylor A. E. Heath H. McP. Baldwin F. Newman J. C. Hayden J. I. Widmeyer O. W. Roberts S. Hackett R. M. Giddings et al O. L. Fassig et al S. Hackett R. M. Giddings et al S. Hackett R. M. Giddings et al O. L. Fassig et al S. Hackett R. M. Giddings et al J. H. Smith et al J. H. Smith et al J. W. Bauer et al J. W. Bauer et al J. W. Sherier et al C. E. Linney et al H. W. Richardson et al T. S. Collins et al T. S. Collins et al C. F. Schneider et al C. F. Schneider et al C. A. Loveland et al E. B. Richards et al H. B. Hersey et al H. C. Bate et al E. W. McGann et al H. C. Bate et al E. W. McGann et al H. F. Alciatore et al J. J. Gray et al H. F. Alciatore et al A. B. Wollaber et al H. F. Alciatore et al J. J. Gray et al C. M. Strong et al E. P. Jones et al R. A. Evans et al E. P. Jones et al A. B. Wollaber et al B. Bunnemeyer et al E. P. Jones et al A. R. Wollaber et al B. H. Brown et al A. R. Wollaber et al B. H. Brown et al B. H. Brown et al B. A. Evans et al E. H. Bowie et al W. E. Oliver et al B. H. Bronson et al D. Fisher et al B. H. Bronson et al D. Fisher et al B. H. Bronson et al D. Fisher et al D. W. S. Palmer et al D. H. S. Palmer et al D. Fisher et al D. W. R. Donaldson et al D. H. S. Palmer et al D. W. R. Donaldson et al D. H. S. Palmer et al D. Fisher et al D. W. S. Palmer et al D. Fisher et al D. W. S. Palmer et al D. W. R. Donaldson et al D. H. S. Palmer et al D. W. R. Donaldson et al D. H. S. Palmer et al D. W. S. Palmer e	Nature of payment.	Tota
903.			
30	J. J. Kelliher	Salary	\$82 98 98
	J. C. Piercy	do	98
	D. C. Grunow	do	82
	W. W. Thomas.	do	82 69 69
	Charles Adie	do	69
	W.D. Maxwell	do	98 98
	T. Gibson	do	82
	J. R. Williams	do	82 98
	S. Boykin	do	69
	N. R. Taylor	do	98 59
	H. McP. Baldwin	do	82
	F. Newman	do	82 98
	J. C. Hayden	do	82 98
	J.I. Widmeyer	do	98
	S Hackett	do	59
	R. M. Giddings et al	do	98 59 168
	O.L. Fassig et al.	do	480
	S. M. Blandford et al	do	23 189
	A E Hackett et al	do	215
	J. W. Bauer et al	do	217 247 196 456
	J. M. Sherier et al	do	196
	C. E. Linney et al	do	45t
	T. J. Considing et al	do	304 215
	T. S. Collins et al	do	215 158
	F. W. Conrad et al	do	128
	C. F. Schneider et al	do	128 192 413 397
	E. B. Richards et al	do	305
	G. E. Franklin et al	do	252
	H. B. Hersey et al.	do	252 543 412
	T. S. Outram et al	do	412
	H. U. Bate et al.	do	514 178
	L. W. McGailli et al	do	514 178 248
	H. F. Alciatore et al	do	466 328 321
	J. J. Gray et al.	do	328
	C. M. Strong et al.	ob	32. 138
	E. C. Vose et al	do	23
	B. Bunnemeyer et al	do	23 138 219
	E. P. Jones et al.	do	219
	A. B. Wollaber et al	do	52% 138
	E. A. Evans et al	do	438
	E. H. Bowie et al.	do	412
	W. E. Oliver et al	do	412 181 329
	R. J. Hyatt et al	do	328 128
	H B Boyer et al	do	935
	Charles Stewart et al	do	235 176 339
	W. G. Burns et al	do	338
	J. S. Hazen et al	do	138
	F. H. Duff et al	do	232 138 415
	J. B. Marbury et al	do	415
	D. Fisher et al	do	146
	W. E. Donaldson et al	do	166 206
	T. I. Bridges et al	do	500
	D. Cuthbertson et al	do	509 413
	P.H. Smyth et al	do	215
	C.P. Cronk et al	do	150
	G R Oberholzer et al	do	232 138
	L. M. Pindell et al	do	219
	W. S. Palmer et al.	do	219 158 504
	F. J. Walz et al	do	504
	J. Koneely et al	00 do	446
	J. Warren Smith et al	do	525
	Frank Jermin et al	do	436 525 138
	N. B. Conger et al	do	519
	C. W. Channel et al	do	146 413 128
		u0	410

 $Expenditures of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1903-{\bf Cont'd}.$ 

Date.	Name.	Nature of payment.	Tota
1903.	A. Ashenberger et al G. B. Wurtz et al J. L. Cline et al Geo. Reeder et al L. H. Murdock et al W. H. Fallon et al L. C. Cover et al E. R. Demain et al A. J. Davis et al E. S. Nichols et al R. B. Harkness et al S. W. Glenn et al W. T. Blythe et al R. G. Allen et al W. T. Blythe et al R. G. Allen et al A. J. Mitchell et al Patrick Connor et al W. U. Simons et al W. U. Simons et al J. R. Q. Grant et al G. N. Wilson et al J. R. Weeks et al J. R. Weeks et al H. R. Patrick et al S. C. Emery et al L. A Desson et al		
me 30	A. Ashenberger et al	Salary	\$138
	G.B. Wurtz et al	do	12
	J. L. Cline et al.	00	128 140 200
	L. H. Murdoek et al	do	412
	W H Fellon et al	do	41° 130 120
	L. C. Cover et al	do	12
	E. R. Demain et al	do	19
	A. J. Davis et al	do	13
	E. S. Nichols et al	do	11: 12:
	R.B. Harkness et al.	do	12
	S. W. Glenn et al.	do	23
	W.T. Blythe et al	do	34
	K.G. Allen et al.		36
	Potriol: Coppose et al	do	35
	W II Simons of al	do	14
	W. M. Fulton et al	do	33 14 17
	R. Q. Grant et al	do	12
	G. N. Wilson et al.	do	13
	J. R. Weeks et al.	do	12
	H. R. Patrick et al	do	13
	S. C. Emery et al	do	33
	L. A. Denson et al	do	33 13 56
	W. M. Wilson et al.	do	56
	W.M. Dudley et al.	do	16 34
	G E Grimes et al	do	12
	H. Goucher et al	-do	60
	W. A. Shaw et al.	do	12
	L. A. Welsh et al	do	30
	T.F. Townsend et al	do	68
	Geo. Hass Hagen et al	do	13
	J. P. Slaughter et al	do	16
	C. F. von Herrmann et al	do	37 23
	L. M. Dey et al	do	23 12
	Allon Broll of al	do	91
	H C Cooke et al	do	21 12
	E. H. Nimmo et al	do	12
	G. H. Willson et al	do	57
	A. G. Burns et al.	do	16 15
	F. H. Clarke et al	do	15
	G. N. Salisbury et al.	do	33
	J. W. Cronk et al		12 13 23
	A McC Ashloy et al	do	93
	E C Hobbs at al	do	15
	F. R. Beahan et al	do	16
	L. H. Daingerfield et al.	do	12
	W.S. Currier et al	do	24
	T.B. Jennings et al	do	15 29 13
	W.S. Belden et al	do	29
	G. T. Todd et al	do	13
	Ut. W. Felger et al.	do	16
	P. C. Mowles	do	42
	B. I. Cardwell	do	1
	M. V. Hanaw	do	
	H. Curry	do	2
	R. H. Dean	do	12
	E. L. Renoe	do	2
	M-4-10		108 00
	G. N. Wilson et al.  J. R. Weeks et al.  H. R. Patrick et al.  S. C. Emery et al.  L. A. Denson et al.  W. M. Wilson et al.  W. M. Wilson et al.  F. P. Chaffee et al.  G. E. Grimes et al.  H. Goucher et al.  W. A. Shaw et al.  L. A. Welsh et al.  T. F. Townsend et al.  Geo. Hass Hagen et al.  J. P. Slaughter et al.  J. P. Slaughter et al.  J. H. Scarr et al.  J. H. Scarr et al.  H. C. Cooke et al.  E. H. Nimmo et al.  E. H. Nimmo et al.  G. H. Willson et al.  G. H. Willson et al.  J. W. Crook et al.  E. H. Clarke et al.  J. W. Cronk et al.  J. W. Gronk et al.  J. H. Daingerfield et al.  W. S. Belden et al.  G. W. Felger et al.  F. Ridgway et al.  B. J. Cardwell.  M. V. Hanaw  H. Curry  R. H. Dean  E. L. Renoe  Total fourth quarter		107,63
	Supplemental.		
ly 3	M. E. Blystone et al D. F. Manning F. P. Torbert, jr A. Brand et al C. B. Cooper C. L. Mills A. Bronson R. M. Hardinge et al M. V. Hanaw R. A. Gardiner	Salary	200
	D.F. Manning	do	21
	F.P. Torbert, jr	do	
	A. Brand et al	do	128 18
15	C.B. Cooper	do	13
	C.L. Mills	do	
	A. Bronson	do	200
99	K. M. Hardinge et al.	do	200
22 31	R A Gordinar	do	14
91	re. A. Garundi	u0	
	Total.		629
			5144

#### RECAPITULATION.

First quarter	\$104,962,06
Second quarter	106, 982, 42
Third quarter	108,005,43
Fourth quarter	107, 639, 43
Supplemental	629, 90

#### METEOROLOGICAL OBSERVATION STATIONS.

Date.	Name.	Nature of payment.	Tota
1902.			
uly 21 31	Wm. B. Stockman J. J. O'Donnell W. J. A. Schoppe C. E. Ashcraft	Traveling expenses	\$7 101
31	J.J.O'Donnell	Salary	101
	W.J.A. Schoppe		70
	J. H. Armington	do	84 70
	H.O. Geren	do	101
	F. Montgomery	do	70
	C. A. Mueller	do	70
	W. C. Devereaux	do	103
	B. Castellanos.	do	30
	M. W. Hayes	do	126
	J. F. Voorhees	00	7( 84
	O. St. Marie Louis Dorman		10
	R. A. Fessenden	do	24
	A. H. Thiessen	do	126
	J. H. Kimball	do	70
	W. T. Lathrop	do	8- 10:
	Paul De Graw	do	10:
	D. J. Herndon	do	10 10 10 10
	A. V. Randall	do	10.
	W.H. Alexander	do	120
	D. J. Herndon A. V. Randall W. H. Alexander E. O. Thompson Joseph Lopez M. G. Stubbs J. L. Bartlett J. W. Towers Wm. B. Stockman L. V. Dolph	do	4
	M G Stubbs	do	Š
	J. L. Bartlett	do	8-
	J. W. Towers	do	70
	Wm. B. Stockman	do	168
	1. 1. 1. DOIDH		8
	J. C. Ashton	do	13-
	A. D. Kinsman C. H. Richardson	0.0	8-
	C. F. Marvin	do	25
			19
	M. W. Haves	Traveling expenses	18
g. 6	New York and Cuba Mail S. S. Co	Passenger transportation	9
11	H. E. Hobbs	. Salary	. 8
	A. V. Randall	. Repairing instrument shelter	1
1.0	F. Leyland & Co. M. W. Hayes New York and Cuba Mail S. S. Co. H. E. Hobbs A. V. Randall American Writing Machine Co. M. Saumill The J. C. Ergood Co. M. G. Roves John Underwood & Co. Julien P. Friez T. F. Kennedy	New Century caligraph	14
12 14	M. Saumili	Office rent Matches, brooms, etc	2: 4:
1#	M G Poves	Office rent	40
	John Underwood & Co	Ribbons	2
	Julien P Friez	Single registers	80
18	T.F. Kennedy	Single registers Making and packing boxes Office rent	1
22	Elizabeth Randall	Office rent	13
	D.O. Riviere	do	20
01	T. F. Kennedy Elizabeth Randall D. O. Riviere F. Leyland & Co. (Limited) H. E. Hobbs J. J. O'Donnell M. J. A. Schoppe	Passenger transportation	1.0
31	H. L. HODDS	- Salary	10
	M. I. A. Schoppe	do	101
	J H Armington	do	70
	M.J. A. Schoppe J. H. Armington H. O. Geren	do	101
	F. Montgomery	do	7(
	C. A. Mueller	do	70
	J. L. Bartlett	_'do	70
	W. C. Devereaux	do	101
	B. Castellanos	do	3(
	H.O. Geren F. Montgomery C. A. Mueller J. L. Bartlett W. C. Devereaux B. Castellanos M. W. Hayes C. H. Richardson L. F. Voorboos		126 101
			70
	O.St. Marie		84
	Louis Dorman	do	101
	J. H. Kimball	do	70
	W. T. Lathrop	do	70 84
	P. De Graw	do	101
	D. J. Herndon W. H. Alexander J. Lopez	do	101
		do	101

 $Expenditures of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30, \ 1903-{\tt Cont'd}.$ 

Date.	Name.	Nature of payment.	Tota
1902.	*		
ug. 31	E. C. Thompson A. V. Randall M. B. Stubbs Wm. B. Stockman J. W. Towers C. F. Marvin I. N. Dolph J. C. Ashton A. D. Kinsman C. E. Asheraft, jr A. H. Thiessen Clark & Davenport J. C. Parker H. F. Borroto	Salary	\$120
	A. V. Randall	do	10
	Wm. B. Stockman	do	84 168
	J. W. Towers	do	70
	C. F. Marvin	do	25 10 13
	J. C. Ashton	do	10.
	A. D. Kinsman	do	84
	C. E. Ashcraft, jr	do	84
ept. 5	A. H. Thiessen	Linoloum	126 62
Spt. o	J. C. Parker	Paper	38
	H. F. Borroto	Painting instrument shelter	12
	Mary Joseph Woodward & Lothrop	Janitor services Office furniture	4
	Southern Express Co	Dravage	*
	do	do	:
	Cuba and Pan-American Express Co	do	
	M. G. Roves	onice rent	40
	Hampden Jemmott	Services	25 20
11	Elizabeth Randall	Office rent	2'
	H. E. Hobbs	Station expenses	1
13	M. G. ROVES M. Saumill Hampden Jemmott Elizabeth Randall H. E. Hobbs C. H. Richardson H. E. Hobbs	Cleaner, ice, etc	45
		Station expenses Traveling expenses Batteries	10
19	A. D. Kinsman William Roche	Traveling expenses	19' 28
22	J C Rellamy	Salary	20
1919	J. C. Bellamy Royal Mail Steam Packet Co	Salary Passenger transportation	1
	J. Garroway & Co Teresa Joerg y Belot Eberhard Faber	Lumper	3
	Teresa Joerg y Belot.	Office rent	4
	Cuba Submarine Telegraph Co. (Limited)	Telegraph services	50
		Rubber bands Telegraph services	1:
	W. C. Devereaux	Station expenses	2
30	do W. C. Devereaux C. H. Richardson The Pennsylvania R. R. Co. H. E. Hobbs. J. J. O'Donnell	Passenger transportation	10
90	H. E. Hobbs	Salary	9
	J. J. O'Donnell	do	9
	W.J.A. Schoppe	do	68 8
	J. H. Armington	do	6
	H.O.Geren	do	9
	F. Montgomery	do	68
	B Castellanos	do	2
	W. C. Devereaux	do	9
	M. W. Hayes	do	9' 12: 9'
	C. H. Richardson	do	9
	A. H. Thiessen	do	9 12
	J. H. Kimball	do	6
	W. T. Lathrop	do	9' 9' 9'
	D. J. Herndon	do	9
	E. C. Thompson	do	12
	W. H. Alexander	do	12: 9: 40
	Joseph Lopez	do	97
	M. B. Stubbs	do	8.
	J. C. Ashton	do	130
	I. N. Dolph	do	9
	W. R. Stockman	do	169
	J. W. Towers	do	244 163 68
	A.D. Kinsman	do	8:
	H. E. Hobbs J. J. O'Donnell W. J. A. Schoppe C. E. Ashcraft J. H. Armington H. O. Geren F. Montgomery C. C. A. Mueller B. Castellanos W. C. Devereaux M. W. Hayes C. H. Richardson Louis Dorman A. H. Thiessen J. H. Kimball W. T. Lathrop Paul De Graw D. J. Herndon E. C. Thompson W. H. Alexander Joseph Lopez A. V. Randall M. B. Stubbs J. C. Ashton I. N. Dolph C. F. Marvin W. B. Stockman J. W. Towers A. D. Kinsman A. Moure Losada Total first quarter	do	11,48
, 9	Total first quarter  A. Bool & Co.	Ice	
., 0	Jose Valenti	Office rent	78
	Jose Valenti B. A. Smith	do	85
	D. Hope Ross M. G. Roves	do	72 40
	M. G. Roves R. P. Andrews & Co. (Incorporated) J. F. Voorhees H. E. Hobbs	Pencils and penholders	112
		Salary	68

Date.	Name.	Nature of payment.	Total
1902.			
ct. 9	W. H. Johnson & Co. (Limited)	LanternBoxing and packing furniture,	\$1 80
	T.F.Kennedy	etc.	80
	C. C. Massev	Repairing clock	1
17	C. C. Massey United States Express Co	Repairing clock Express charges	9
	D. F. Parker Wagner Typewriter Co. Library Bureau Carter, Rice & Co. (Corporation) Jamaica Telephone Co. (Limited) Sociedad Anonima Luz Electrica W Saumil	do Typewriter ribbons	9.
	Wagner Tynewriter Co	Typewriter Hobons Typewriter table Card board Telephone services Electric light Office rent	18 87 5
	Library Bureau	Typewriter table	5.
22	Carter, Rice & Co. (Corporation)	Card board	25 23
	Socioded Apprime Luz Floetrice	Telephone services	
	M. Saumill	Office rent	25
25	M. Saumill Department of the Interior, Porto Rico	do	150
	Clinckett & Coates	Deinting instrument shelten	88 20
	Sucesores de J. B. Vicini	Office rent	120
	E. Nuttall	do	109
31	Joseph Lopez	Salary	40
	W.H. Alexander	do	101. 70.
	C. E. Ashcraft, ir	do	84
	J. C. Ashton	do	134
	Sociedad Anonima Luz Electrica M. Saumill Department of the Interior, Porto Rico. Clinckett & Coates A. B. Smith Sucesores de J. B. Vicini E. Nuttall Joseph Lopez W. H. Alexander J. H. Armington C. E. Ashcraft, jr J. C. Ashton B. Castellanos W. C. Devereaux I. N. Dolph Louis Dorman H. O. Geren Paul De Graw M. W. Hayes D. J. Herndon H. E. Hobbs J. H. Kimball A. D. Kinsman W. T. Lathrop C. F. Marvin F. Montgomery C. A. Mueller J. J. O'Donnell A. V. Randall C. H. Richardson M. J. A. Schoppe W. B. Stockman A. H. Thiessen E. C. Thompson J. W. Toorhees E. T. Giers Elizabeth Randall Direct West India Cable Co. (Limited) W. C. Devereaux C. H. Eichardson Boulton, Bliss & Dallett H. E. Hobbs	do	30
	I N Dolph	do	101 101
	Louis Dorman	do	101
	H.O.Geren	do	101
	Paul De Graw	do	101 126
	D. J. Herndon	do	101
	H. E. Hobb;	do	101
	J. H. Kimball	do	70
	A. D. Kinsman	do	84
	C. F. Marvin	do	252
	F. Montgomery	do	84 252 70
	C. A. Mueller	do	70
	J.J.O Donnell	do	101
	C. H. Richardson	do	101 101
	W. J. A. Schoppe	do	70
	W.B. Stockman	do	168
	E.C. Thompson	do	126 126
	J. W. Towers	do	70
	J. F. Voorhees	do	70
	E. T. Giers Elizabeth Pandall	Office vent	84 27
	Direct West India Cable Co. (Limited)	Telegraph services	300
	W. C. Devereaux	do	12 11
v. 8	E. T. Giers Elizabeth Randall Direct West India Cable Co. (Limited) W. C. Devereaux C. H. Richardson Boulton, Bliss & Dallett H. E. Hobbs M. B. Stubbs	Cleaner, ice, and postage	11
v. 0	H E Hobbs	Janitor service ice etc	1 7
	M B Stubbs	Popaire to roof ata	7 71 84
11	do A Lynne é Hijos de Perez Moris Halifax and Bermudas Cable Co M. G. Roves	Salary Printing Postage Office rent	84
15	A Lynne e Hijos de Perez Moris	Printing	78
	M. G. Roves	Office rent	40
	M. Saumill	do	25
	M. Saumili E. C. Newsam United States Envelope Co R. P. Andrews & Co. (Incorporated) Cuba Submarine Telegraph Co. (Limited) United States Express Co Pennsylvania R. R. Co	do Displayman Envelopes	100
	R. P. Andrews & Co. (Incorporated)	Envelopes	635 125
	Cuba Submarine Telegraph Co. (Limited)	Paper Telegraph services Expressage Freight charges	125 13
	United States Express Co	Expressage	4
	Pennsylvania R. R. Co	Freight charges	
		do	59
	New York and Cuba Mail S. S. Co Morris European and American Express	do	59 13
	Co. (Limited)	A A	
	Pennsylvania Kailroad Co	Tologue ph convices	1.
17	Pennsylvania Railroad Co Postal Telegraph Cable Co R. C. Ballantyne	do Telegraph services Pens, etc	48. 39.
~ .	J. C. Parker	Paper	200
	J. C. Parker E. Morris Paper Co Jose Alvarez		262. 12. 7.
		Painting Repairing wind vane, etc Telegraph services Packing boxes Envelopes	12.
	The French Telegraph Cable Co	Telegraph services	67
	The French Telegraph Cable Co	Packing boxes	67. 172.
	United States Envelope Co	Envelones	25.

# $Expenditures of \ Department \ of \ Agriculture \ for \ year \ ending \'June \ 30, 1903-{\bf Cont'd.}$

### ${\tt METEOROLOGICAL\ OBSERVATION\ STATIONS-Continued}.$

Western Union Telegraph Co	Telegraph services	\$1
Pennsylvania R. R. Co	Freight charges	
The Morris European and American Ex-		18
press Co. (Limited).		
Compania Transatlantica de Bar	Passenger transportation	30 81
A. V. Randall	do	9
M. W. Hayes	do	122
W. H. Alexander	do	19
Louis Dorman	do	12:
W. J. A. Schoppe	do	68
J. H. Armington	do	68
J. H. Kimball	do	68
C. H. Richardson	do	9'
P. De Graw	do	97
H. E. Hobbs	do	123
A. D. Kinsman	do	8:
		8
J.J. O'Donnell	do	68 9'
Joseph Lopez	do	4
H. O. Geren	do	9
D. J. Herndon	do	68
M. B. Stubbs	do	98
C. E. Ashcraft	do	8
Woodward & Lothron	Soan	3: 3:
E. Randall	Office rent	2
H. E. Hobbs	Office expenses	
E. H. Cheney	Office rent	3 70
E. C. Thompson	Ice. etc	1
B. Castellanos	Salary	2
C. H. Richardson	Station expenses	10 14
B. C. Clapp Ammonia Co	Ammonia	14
M. Saumill	Office rent	2
M. G. Roves	Governt bindens	40 20
R. C. Ballantyne	Envelopes	36
M R Stubbe	Traveling evnences	
P. De Graw	Station expenses	18
Western Union Telegraph Co	Telegraph services	2; 5;
Julien P. Friez	Parts of instruments	189
Cuba Submarine Telegraph Co. (Limited)	Telegraph services	14
Rudolph West & Co	Cotton waste	150 72
Postal Telegraph Cable Co	Telegraph services	168
do	do	90 20
W. J. A. Schoppe	Salary	70
J. J. O'Donnell	do	103
C. E. Ashcraft	do	84
F Montgomery	do	70 70
Benito Castellanos	do	14
W. C. Devereaux	do	101
J. F. Voorhees	do	126 70
A. H. Thiessen	do	126
		101
		70 89
D.J. Herndon	do	101
W. H. Alexander	do	101
E. U. Thompson	do	126 40
W. T. Lathrop	do	84
Wm. B. Stockman	do	84 168
F. A. Schmidt	Milliographs	150 99
H. O. Geren	do	101
C. F. Marvin et al	Pay roll.	559 101
	Pennsylvania R. R. Co New York and Cuba Mail S. S. Co The Morris European and American Express Co. (Limited). Compania Transatlantica de Bar W. T. Lathrop A. V. Randall M. W. Hayes W. H. Alexander A. H. Thiessen Louis Dorman W. J. A. Schoppe J. H. Armington W. C. Devereaux J. H. Kimball C. H. Richardson P. De Graw E. C. Thompson H. E. Hobbs A. D. Kinsman E. T. Giers F. Montgomery J. J. O'Donnell Joseph Lopez H. O. Geren J. F. Voorhees D. J. Herndon M. B. Stubbs C. E. Ashcraft Paul De Graw Woodward & Lothrop E. Randall H. E. H. Cheney C. F. Marvin et al E. C. Thompson B. Castellanos C. H. Richardson American Writing Machine Co B. C. C. Ballantyne M. B. Stubbs P. De Graw M. B. Stubbs D. J. Graw M. B. Stubbs D. C. E. Ashcraft Paul De Graw H. E. H. Cheney D. J. Herndon B. C. C. Ballantyne B. C. C. Ballantyne M. B. Stubbs D. D. Graw Dennsylvania R. R. Co Western Union Telegraph Co. (Limited) The Direct West India Cable Co. (Limited) The Direct West India Cable Co. J. J. O'Donnell W. J. A. Schoppe J. J. O'Donnell C. E. Ashcraft J. H. Armington F. Montgomery Benito Castellanos W. C. Devereaux M. W. Hayes J. J. O'Donnell C. E. Ashcraft J. H. Kimball E. T. Giers D. J. Herndon W. H. Alexander E. C. Thompson J. Lopez W. T. Lathrop Wm. B. Stockman F. A. Schmidt C. C. Thernomson J. Lopez W. T. Lathrop Wm. B. Stockman F. A. Schmidt C. F. Marvin et al	Pennsylvania R. R. Co

Date.	Name.	Nature of payment.	Total.
1902.			
Dec. 31	H. E. Hobbs	Salary	\$101.1
	M. B. Stubbs A. D. Kinsman	do	101.1 84.2
	A. D. Kinsman	do	84.2
	Total second quarter		13,857.5
1903.		1	
Jan. 9	A. V. Kandall	Salary	101.1
	A.V. Randall Jamaica Telegraph Co. (Limited) A.V. Randalldo P. Do Grayr	Station expenses	21. 0 21. 5 21. 5
	do	do	21.5
	P. De Graw	do	15.5
	C. H. Richardson	do	10.1
	H. E. Hobbs	do	7.8
	Sucesores de J. B. Vicini	Office rent	120.0
	Hamilton Rolle	do	9.0
	U. C. H. Richardson. W. C. Devereaux H. E. Hobbs Sucesores de J. B. Vicini Hamilton Rolle do A. B. Smith	do	9. 0 85. 3
	E. Nuttall E. H. Cheney D. Hope Ross	do	109.5 27.7 72.0
	D. Hope Ross	do	72.0
	José Valenti	do	75.0
10	M. G. Roves	Traveling expenses	40.0 6.7
10	J. H. Knowlton	Ice	5.8
	D. Hope Ross José Valenti M. G. Roves C. H. Richardson J. H. Knowlton Koninkly West Indische Mail Dienst	Passenger transportation	30.0
	J. P. Rossa	Freight charges and drayage	16.1
15	J. P. Rossa C. H. Richardson J. J. O'Donnell	Fassenger transportation. Freight charges and drayage Station expenses. Traveling expenses. Station expenses Express charges	7.1 15.1
19	M. B. Stubbs	Station expenses	51.9
20	M. B. Stubbs United States Express Codo	Express charges.	2.2
	do	do Station expenses Spirit levels Anemometers and register pens	2.2 1.3
	W. C. Devereaux W. & L. E. Gurley Julien P. Friez	Station expenses	14.7
	Julien P Friez	Anemometers and register pens	24.7 300.0
	M. Saumill	Office rent	25.0
	Clinckett & Coates	do	88.0
	The Halifax and Bermudas Cable Co. (Limited).	Foreign postage stamps	5.0
	W A R Rowle	Station expenses	3.0
	United Trust Co	Station expenses Passenger transportation	40.0
_	Department of Interior, Porto Rico	Office rent Printing climate and crop bul-	150.0 78.0
	W.A. R. Rawle United Trust Co Department of Interior, Porto Rico A. Lynne Hijos de Perez Moris	Printing climate and crop bul-	78.0
	Sociedad Anonima Luz Electrica	letins.	21.6
23	H. E. Hobbs	Electric light Painting materials, etc	3.7
	do		3.7 7.0
	do	Janitor service, etc	1.5
1	do Direct West India Cable Co	Janitor service, tee, etc. Janitor service, etc. Traveling expenses Telegraph services	6.4 150.0
	do E. C. Newsam W. A. R. Rawle R. J. Miller	do	161.2
	E. C. Newsam	Station expenses	12. 2 125. 0
	W.A.R. Rawle	Hurricane observer	125.0
	Paul De Graw	Ctation amount	125.0 17.6
	Cuba Submarine Telegraph Co. (Limited). J. C. Parker	Station expenses Telegraph services	30. 1
24	J. C. Parker	Letter presses	136.3
	do	Manifold books	65.0
31	C H Richardson	Salary	45. 0 86. 1
01	J. J. O'Donnell	do	86. 10 103. 30
	W.J.A. Schoppe	do	72.3
	C. E. Ashcraft	do	86.10
	H. U. Geren	do	86. 6 72. 3
	W. C. Devereaux	do	103.3
	M. W. Hayes	do	129. 20 103. 30
	Cuba Submarine Telegraph Co. (Limited) J. C. Parkerdodo D. F. Parker C. H. Richardson J. J. O'Donnell W. J. A. Schoppe C. E. Ashcraft H. O. Geren J. H. Armington W. C. Devereaux M. W. Hayes A. V. Randall J. F. Voorhees A. H. Thiessen Louis Dorman J. H. Kimball E. T. Giers M. B. Stubbs M. S. Stubbs M. S. Stubbs M. S. Taken	do	103.3
	J.F. Voorhees	do	72.30 129.20
	Louis Dorman	do	103.30
	J. H. Kimball	do	103.36 72.30
	E. T. Giers	do	86.10
	M. B. Stubbs	do	77.3- 103.30
	W H Alexander	do	103.30
	E. T. (Hers D. J. Herndon W. H. Alexander J. Lopez E. C. Thompson W. T. Lathrop F. Montgomery	do	40.00
	E. C. Thompson	do	129. 20 86. 10

### ${\tt METEOROLOGICAL\ OBSERVATION\ STATIONS-Continued.}$

Date.	Name.	Nature of payment.	Total.
1903.			
n. 31	W.B. Stockman	Salary	\$172.
	H. E. Hobbs M. B. Stubbs	do	86. 6.
			6.
b. 4	C. F. Marvin et al.  A. E. Outerbridge & Co Cuba Submarine Telegraph Co. (Limited).  American Writing Machine Co Cuba Submarine Telegraph Co. (Limited).  M. G. Rayes		571. 50.
D. 4	Cuba Submarine Telegraph Co. (Limited)	Talsenger transportation Telegraph services New Century caligraph Telegraph services Office rent do Cloud nephoscopes Salary	3.
	American Writing Machine Co	New Century caligraph	144.
	Cuba Submarine Telegraph Co. (Limited)	Telegraph services	29.
7	M. G. Roves	Office rent	40.
	M. G. Roves M. Saumill	do	25.
	Schneider Bros	Cloud nephoscopes	135.
10	A. D. Kinsman Chadwick Copying Book Co E. H. Cheney		86. 61. 7.
	Chadwick Copying Book Co	Copying books Office rent	61.
	H. O. Geren	Office rent	46.
12	H. O. Geren Cuban Central Rwys. (Limited) R. C. Ballantyne Mackall Bros	Traveling expenses Passenger transportation	1.
12	R. C. Bellantyno	Paner	64.
	Mackall Bros	Soan	58.
	C. Sevilla	Cleaning office	7.
	Paul Da Graw	Salary	103.
	R. P. Clarke Co	Rassenger transportation. Paper Soap Cleaning office Salary Felt	113.
20	R.P. Andrews & Co. (Incorporated)	Paper	120.
	R. P. Clarke Co R. P. Clarke Co R. P. Andrews & Co. (Incorporated) Postal Telegraph Cable Co	Telegraph services	154.
		Paper Telegraph servicesdo	221. 190.
	w estern Union Telegraph Co	Colony	190.
	F. C. Noweam	do	21. 25.
	Western Union Telegraph Co H. E. Hobbs. E. C. Newsam. Paul De Graw	Salarydo Trayeling expenses	20. 2.
	do	dodo	6.
	T A Dealise on Con Co	C-1.10	60.
	United States Envelope Co	Envelopes Telegraph services	315.
	Direct West India Cable Co. (Limited)	Telegraph services	150.
	The French Telegraph Cable Co	do	435.
	Flint & Walling Manufacturing Co	Hoisting attachment	23.
21	Queen & Co. (Incorporated)	Sunshine recorders Postage, etc	150. 2.
	United States Envelope Co Direct West India Cable Co. (Limited) The French Telegraph Cable Co Flint & Walling Manufacturing Co Queen & Co. (Incorporated) A. D. Kinsman W. C. Davernaux	Postage, etc.	2.
	W. C. Devereaux	Station expenses	10.
	Cube Submarine Telegraph Co. (Limited)	Station expenses Telegraph servicesdo	152. 1.
	Royal Dutch West India Mail Service	Passenger transportation	60.
	Budolph, West & Co	Feather dusters	102.
	Paul De Graw	Station expenses	15.
28	w. C. Devereaux Direct West India Cable Co. (Limited). Cuba Submarine Telegraph Co. (Limited). Royal Dutch West India Mail Service. Rudolph, West & Co. Paul De Graw. P. De Graw. C. H. Richardson.	Salary	79.
	C. H. Richardson	do	77.
	W.A. Schoppe	do	65.
	C. H. Richardson W. A. Schoppe J. J. O'Donnell J. H. Armington W. C. Devereaux A. V. Randall J. F. Voorhees M. P. Styblo	do	83.
	J. H. Armington	do	65. 93.
	A V Rendell	do	93. 93.
	I F Voorhees	do	65.
	M B Stubbs	do	65.
	M. B. Stubbs J. H. Kimball	do	65.
	E. T. Giers	do	77. 93.
	D.J. Herndon	do	93.
	Joseph Lopez	do	40.
	J. H. Killiogi E. T. Giers D. J. Herndon Joseph Lopez W. H. Alexander E. C. Thompson W. T. Lathrop Frank Montgomery	do	93.
	E.C. Thompson		116.
	W. I. Lathrop	do	77.
	A H Thiesean	do	77. 116
	W R Stockman	do	116. 155.
	H () (Lonon	do	77.
	M. W. Hayes	do	116.
	M. W. Hayes Pennsylvania R. R. Co	Freight charges	1.
	do	do	7.1
	Morris European and American Express	do	14.
	Co. (Limited).	a.	
	Boulton, Bliss & Dallett The New York and Cuba Mail Steamship	Deggen con transportation	45.
	The New York and Cuba Mail Steamship	Passenger transportation	40.
	Co. Sobrinos de Herrera	de	50.
	C F Morvin et al	Pay roll	516.
r. 5	C. F. Marvin et al Morris European and American Express	Freight charges	2.
1, 0	Co (Limited)	1 1 018 H 0 0101 8 00	μ.
	Co. (Limited). A.D. Kinsman	Traveling expenses	310.
		Salary	16.
9	Louis Dorman		
9	Louis Dorman	Postage	3.
9	Louis Dorman R. J. Miller M. G. Roves Morris European and American Express	Postage Office rent Freight charges	3. 40. 3.

## Expenditures of Department of Agriculture for year ending June 30, 1903—Cont'd. METEOROLOGICAL OBSERVATION STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Mar. 12	Morris European and American Express Co. (Limited).	Freight charges	\$29.0
	M. Saumill Carmelo Sevillo	Office rent Cleaning office	25.0 5.0
14	Carmelo Sevillo New York and Cuba Mail Steamship Co Morris European and American Express	Freight chargesdo	6, 2
	Co (Limited).	do	17.8
	Jno. R. Roeblings Sons Co. C. E. Ashcraft, jr Western Union Telegraph Co Eberhard Faber	Cable reel	5.0
	Western Union Telegraph Co	Salary Telegraph services Rubber bands Station expenses	66. 6 9. a
17	Eberhard Faber E. C. Thompson	Station expenses	139.1 16.3
20	E. C. Thompson Flint & Walling Manufacturing Co	etc.	201.6
	The Okonite Co. (Limited) United States Express Co	Copper wire, etc	120. 0 9. č
24	United States Express Co. West India and Panama Telegraph Co. (Limited).	Express charges Telegraph services	719.
	Chimted) Direct West India Cable Co. (Limited) Postal Telegraph Cable Co Paul De Graw C. H. Richardson J. J. O'Donnell W. J. A. Schoppe. C. E. Ashcraft J. H. Armington W. C. Devereaux M. W. Hayes A. V. Randall J. F. Voorbees J. H. Kimball E. T. Giers M. B. Stubbs D. J. Herndon W. H. Alexander Joseph Lopez E. C. Thompson W. T. Lathrop Frank Montgomery A. H. Thiessen Wm. B. Stockman	do	154. 6 20. 0
31	Paul De Graw	Salary	86.1
	J. J. O'Donnell	do	86, 1 86, 1
	W.J.A. Schoppe	do	72.8 63.8
	J. H. Armington	do	72.8
•	M. W. Hayes	do	103. 129.
	A.V. Randall	do	103.
	J. H. Kimball	do	72. 72.
	M. B. Stubbs	do	86. 72.
	D. J. Herndon W. H. Alexander	do	103. 103.
	Joseph Lopez	do	40.
	W. T. Lathrop	do	129. 86.
	Frank Montgomery	dodo	86. 129.
	Wm. B. Stockman	Galvanized wire	172.5 107.6
	Postal Telegraph Cable Co	Telegraph services	3.
	Wm. B. Stockman Flint & Walling Manufacturing Co Postal Telegraph Cable Co Western Union Telegraph Co C. F. Marvin et al	Pay roll	571.
	Total third quarter		15,500.
pr. 7	Jose Valenti D. Hope Ross M. G. Roves	Office rent	75.0
	M. G. Roves	do	72. 40.
	A. B. Smith Erie R. R. Co	Passenger transportation	85. 5.
11	Julien P. Friez	Parts of instruments	22.
11	H. O. Geren Frederick Leyland & Co. Steamship Co Morgan's Louisiana and Texas Railroad	Salary Passenger transportation do	86. 30. 0
	Morgan's Louisiana and Texas Railroad and Steamship Co.	do	51.6
	and Steamship Co. The Pennsylvania R. R. Co Wm. C. Devereaux	Office expenses	21.8 9.8
7.4			25. (
14	Postal Telegraph Cable Co A. D. Kinsman Carmelo Sevillo	Office expenses do Telegraph services Salary	4. 58.
21		T	5.0 36.0
.41	Morgan's Louisiana and Texas Railroad Steamship Co. Clinckett & Coates Sociedad Anonima Luz Electrica A Lynn Hijos de Perez Moris Department of Interior, Porto Rico Ferrocarril de Cuba C H Pichardor	Lamp chimneys Passenger transportation	70.0
	Clinckett & Coates	Office rent	88.0 21.6
	A Lynn Hijos de Perez Moris	Office rent Electric light Printing bulletins	78.0
	A Lynn Hijos de Perez Moris Department of Interior, Porto Rico Ferrocarril de Cuba C. H. Richardson J. J. O Donnell W. J. A. Schoppe C. E. Ashcraft H. O. Geren W. H. Treat W. C. Devereaux	Passenger transportation	150.0 15.8
30	C.H. Richardson	Salary	82.4 82.4
	W. J. A. Schoppe	do	69.7
	U.E. Ashcraft H.O. Geren	do do	82.4 151.6
	W.H. Treat	do	59. 8 98. 9

te.	Name.	Nature of payment.
)3.		
. 30	M. W. Hayes A. V. Randall J. F. Voorhees J. H. Kimball E. T. Giers M. B. Stubbs D. J. Herndon R. A. Dyke W. H. Alexander Joseph Lopez E. C. Thompson W. T. Lathrop Frank Montgomery Wm. B. Stockman A. H. Thiessen Paul De Graw E. T. Burns	Salary
	A. V. Randall	do
	J. F. Voorhees	do
	E. T. Giers	do
	M. B. Stubbs	do
	D.J.Herndon	do
	R. A. Dyke	do
	W.H. Alexander	do
	E C Thompson	do
	W. T. Lathrop	do
	Frank Montgomery	do
	Wm. B. Stockman	do
	A. H. Tillessen	do
	E T. Burns	do
	Morris European and American Express	Freight transportation
	Pennsylvania R. R. Co	do
	do	do
	Co. (Limitéd). Pennsylvania R. R. Co. do do C. F. Marvin et al M. G. Copeland Co. W. B. Moses & Sons John C. Parker Keuffel & Esser Co Direct West India Cable Co John Underwood & Co. Schneider Bros	Pay roll
5	M. G. Copeland Co.	Flags
	W.B. Moses & Sons	Chairs.
	John C. Parker	Flags. Chairs Bed plates, etc Drawing tables Telegraph services Carbon paper Anemometer cups Telegraph services Office rent Passenger transportation Rain gauges Ink pads Fyricide extinguishers
	Direct West India Cable Co	Telegraph carries
	John Underwood & Co	Carbon paper
	Schneider Bros Western Union Telegraph Co	Anemometer cups
	Western Union Telegraph Co	Telegraph services
7	Schneider Bros  Western Union Telegraph Co M. Saumill New York and Cuba Mail Steamship Co Julien P. Friez Densmore Typewriter Co The Fyricide Manufacturing Co Lamb & Tilden Peter Gray & Sons Carmelo Sevillo E. C. Thompson M. G. Roves Croney & Co W. H. Alexander W. C. Devereaux New York and Porto Rico Steamship Co. D. Frank Parker The Friedenwald Co W. B. Moses & Sons United States Express Co Hamilton Rolle C. E. Johnson & Co M. Du Perow Tha J. C. Ergrood Co	Office rent
12	New York and Cuba Mail Steamship Co	Pain gauges
	Densmore Typewriter Co	Ink nads
	The Fyricide Manufacturing Co.	Fyricide extinguishers
	Lamb & Tilden	Ink pads Fyricide extinguishers Inking pads Brass clamps Cleaning office Station expenses Office rent
	Peter Gray & Sons	Brass clamps
	Carmelo Sevillo	Cleaning office
	M G Roves	Office rent
	Croney & Co	do
	W. H. Alexander	do Traveling expenses Station expenses Freight charges Cyclostyle pens. Paper wrappers Chairs Express charges Office rent Printing ink Brushes
13	W.C.Devereaux	Station expenses
10	New York and Porto Rico Steamship Co	Freight charges
16	The Friedenweld Co	Paner wrappers
	W. B. Moses & Sons	Chairs
19	United States Express Co	Express charges
	Hamilton Rolle	Office rent
OW	C. E. Johnson & Co	Printing ink
27	M. Du Perow	Lyo
	Philip Lindemeyer	Mailing tubes.
	J. C. Parker	Carbon paper
31	C. H. Richardson	Salary
	J.J. O'Donnell	do
	C E Asheraft	do
	H O Geren	do
	W. H. Treat	do
	W.C. Devereaux	do
	M. W. Hayes	do
	A. V. Kandall	do
	E. T. Burns	do
	J. H. Kimball	do
	M. B. Stubbs	do
	R. A. Dyke	do
	W. H. Alexander	do
	Hamilton Rolle.  C. E. Johnson & Co M. Du Perow The J. C. Ergood Co Philip Lindemeyer J. C. Parker J. C. Parker C. H. Richardson J. J. O'Donnell W. J. A. Schoppe C. E. Ashcraft H. O. Geren W. H. Treat W. C. Devereaux M. W. Hayes A. V. Randall J. F. Voorhees E. T. Burns J. H. Kimball M. B. Stubbs R. A. Dyke W. H. Alexander J. Lopez E. C. Thompson W. T. Lathrop F. Montgomery W. B. Stockman Paul De Graw A. H. Thiessen D. J. Herndon Rudolph, West & Co. The Waterbury Battery Co.	do
	W. T. Lathron	do
	F. Montgomery	do
	W. B. Stockman	do
	Paul De Graw	do
		d0
	D. I. Houndon	do

### $Expenditures of \ Department \ of \ Agriculture for \ year \ ending \ June \ 30,1903-Cont'd.$ METEOROLOGICAL OBSERVATION STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
May 31	The Bunnell Telegraph and Electrical Co.	Wire	\$21.00
	Julien P. Friez J. P. Nawrath E. H. Emery C. F. Marvin et al G. F. Muth	Anemometer register	40.00
	F. H. Emory	Hemp twine Ticket to Santo Domingo	67.05 70.00
	C. F. Marvin et al	Pay roll	565. 50
	G. F. Muth	Oil	39.68
June 3	H. E. Hobbs G. W. Millar & Co M. Saumill	Salary Paper	39.23
10	G. W. Millar & Co	Office rent	60.00 25.00
10			40.00
	Direct West India Cable Co New York and Cuba Mail Steamship Co C. Sevilla	Telegraph services Passenger transportation Cleaning office Carbon paper	152.52 45.00
	New York and Cuba Mail Steamship Co	Passenger transportation	45.00
	C. Sevilla John Underwood & Co	Cleaning office	5.00 152.40
	Eherbard Faher	Files	23. 40
18	Eberhard Faber M. Du Perow	Files Sounders	24.00
	Mackall Bros United States Envelope Co	Soan	30.00
	United States Envelope Co	Envelopes Mimeograph varnish Instruments	31.20
	D. Frank Parker Julien P. Friez	Instruments	60.00 338.50
	E.T. Giers	Salary	35, 71
30	C. H. Richardson	do	82.40
	C.H. Richardson W.T. Lathrop Frank Montgomery W.B. Stockman	do	82.40
	Frank Montgomery	do	82, 40 164, 80
	A H Thiessen	do	123.60
	W. B. Stockman A. H. Thiessen H. E. Hobbs J. J. O'Donnell W. J. A. Schoppe C. E. Asheraft, jr W. H. Treat W. C. Devereaux M. W. Hayes A. V. Randall E. T. Burns M. B. Stubbs Paul De Graw D. J. Herndon W. H. Alexander Joseph Lopez E. C. Thompson	do	69.20
`	J.J.O'Donnell	do	82.40
	W. J. A. Schoppe	do	69.20
	C. E. Ashcraft, Jr	do	82.40 59.30
	W. C. Devereaux	do	98, 90
	M. W. Hayes	do	123.60
	A. V. Randall	do	98.90
	E. T. Burns	do	59.30 69.20
	Paul De Graw	do	82.40
	D.J. Herndon	do	98, 90
	W. H. Alexander	do	98.90
	Joseph Lopez	do	40, 00 123, 60
	J. F. Voorhees  H. O. Geren et al	do	69. 20
	J. F. Voorhees	do	69, 20
	H.O. Geren et al	do	151, 60
			1.00
	Sucessores J. B. Vicini F. A. Schmidt Western Union Telegraph Co	Office rent Milliographs Telegraph servicesdo.	240, 00 250, 00
	Western Union Telegraph Co	Telegraph services	7.71
			6.20
	J. C. Parker	Scratch book	118.90
	Geo F Muth & Co	Office rent	25.00 31.80
	Direct West India Cable Co. (Limited)	Brushes Telegraph services	150.00
	J. C. Parker M. Saumill Geo. F. Muth & Co Direct West India Cable Co. (Limited) United Trust Co.	Passenger transportation————————————————————————————————————	35.00
	C.F. Marvin et al	Pay roll	547.25
	Total fourth quarter	\ <u></u>	13,966.10
	Total four th quarter	·	15, 500. 10
	Supplemental.		
July 3	R. A. Dyke	Salary Office rent	59.30 75.00
g	M G Roves	omce rent	40.00
	A. E. Outerbridge & Co.	Passenger transportation	60.00
	R. A. Dyke José Valenti M. G. Roves A. E. Outerbridge & Co. C. E. Johnson & Co. Boulton, Bliss & Dallett Camelo Sevilla Paul De Graw	Ink	300, 00
10	Boulton, Bliss & Dallett	Passenger transportation	70.00
15	Paul De Graw	Cleaning office	5.00 38.83
	Alice Stevens	Services	48.00
20	Julien P. Friez Clinckett & Coates	Instruments	138, 50
	Clinckett & Coates	Office rent	88.00
	W.C. Devereaux The Pennsylvania R. R. Co	Station expenses Passenger transportation	11.03
31	M R Stubbs	Traveling expenses	6, 50 13, 12
01	Louis Dorman	Traveling expenses Salary	98.90
	Louis Dorman  Department of the Interior of Porto Rico  Socieded Apprime Law Electrica	Office Pent	150.00
	Sociedad Anonima Luz Electrica A. Lynn é Hijos de Perez Moris T. A. Schmidt	Electric light Printing bulletins Measuring sticks and gauges	21, 60 78, 00
	A Town ( IIIii and Down More)	Design 45 11 . 45	MO 00

### METEOROLOGICAL OBSERVATION STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
	Supplemental—Continued.		•
1903.			
uly 31	M. G. Copeland Co.	Flags	\$907.5
	Wyckoff, Seamans & Benedict	Typewriters	180.0
	Rudolph, West & Co	Halyards	120.0
	J. J. O'Donnell	Subsistence	109.0
	do	do	30.0
	D. Hope Ross	Office rent	72.
	A.B. Smith	do	85.
	E. Nuttall	do	109.
	do	do	109.
ug. 6	E.H.Emery	Passport	2.0
	Paul De Graw	Station expenses and subsistence	24.
	J. J. O'Donnell	Station expenses	11.
	Morgan's Louisiana and Texas R. R. and	Passenger transportation	35.
	Steamship Co.	1	
	J. E. Turton	Box supports	575.1
12	W. H. Alexander	Station expenses	15.
	do	Painting instrument shelters	34.
	Southern Pacific Co	Freight charges	22.
15	J. E. Turton	Instrument shelters	67.
	The Friedenwald Co	Paper wrappers	240.
	Pennsylvania R. R. Co	Passenger transportation	5.
24	New York, New Haven and Hartford R. R.	do	5.
	Delaware, Lackawanna and Western R. R.		4.
	Co.		
	United States Express Co Chicago, Milwaukee and St. Paul Rwy. Co.	Express charges	1.1
	Chicago, Milwaukee and St. Paul Rwy, Co.	Passenger transportation	19,
ept. 3	Pennsylvania R. R. Co	Freight charges	
F	do	do	
	Morris European and American Express	do	3.
	Co. (Limited).		
9	W. T. Lathrop	Traveling expenses	1.
	C. H. Richardson	Subsistence	$2\hat{1}$ .
	do	Traveling expenses	6
15	H. E. Hobbs	do	18.
	C. H. Richardson	Drayage and running levels	6.
22	Direct West India Cable Co. (Limited)	Telegraph services	150.
1414	B. C. Kadel	Janitor services and telephone	24.
	D. C. III de Circina d	rent.	,
	do	Traveling expenses	12.
	do .	Janitor service and telephone	24.
		rent.	~ I.
	Boulton, Bliss & Dallett	Freight charges	3.
	Western Union Telegraph Co	Telegraph services	6.
	Pennsylvania R. R. Co	Freight charges	0.
et. 12	Western Union Telegraph Co	Telegraph services	6.
. 12	W. T. Lathrop	Traveling expenses	0.
	H. Rolle	Office rent	9.
24	L. E. Williams	Running levels	12.
₩±	L1, 12, W IIIIRIIIS	remning levels	12.
	Total		4,800.
	TOTAL		1,000.

#### RECAPITULATION.

	13,857.51 15,500.90
Total	59,608.88

#### BUILDINGS-WEATHER BUREAU.

Date.	Name.	Nature of payment.	Total.
1902. Sept. 22	H. F. L. Allen A. Zappone	Land in Loudoun County, Va Surveying land and recording deed.	\$1,373.50 40.40
	Total first quarter		1,413.90
Oct. 3	A. M. Ferguson W. U. Simons	Building site in Key West, Flan- Recording deed	2,020.00 2.25

## $\label{lem:expenditures} \textit{Expenditures of Department of Agriculture for year ending June 30, 1903} \textbf{—} \textbf{Cont'd.}$ BUILDINGS-WEATHER BUREAU-Continued.

-	V	Notana of	(D-/ 1
Date.	Name.	Nature of payment.	Total.
1902. Dec. 22	Reid Bros	Plans for building, etc., S. E. Farallon, Cal.	\$333, 22
23 31	M. W. Cunningham C. L. Harding	Land in Potter County, Tex	1,255.00
or	- do - W. H. Healy	Land in Potter County, Tex Plans for building, Key West Plans for building, Sand Key Erecting building, S. E. Faral-	442.50 323.00 4,518.00
	T. C. Baker	lon, Cal. Drilling well.	47. 25
	Total second quarter	,	8,941.22
1903.			
Jan. 9	W. H. Atwell T. C. Baker	Recording deed Drilling well	2.00 220.50
24 31	G. W. S. Bell	Erecting building, Key West,	156.15 $1,500.00$
Feb. 12	Toffelmire & Gentry	Fla. Erecting building, Amarillo, Tex.	1,000.00
	C. L. Harding	Plans for building, Amarillo, Tex.	375.00
21	G. W. S. Bell	Erecting building, Key West, Fla.	1,500.00
Mar. 17	do	Erecting building, Sand Key, Fla.	1,000.00
,	do	Erecting building, Key West, Fla.	1,500.00
20	Toffelmire & Gentry	Erecting building, Amarillo, Tex.	2,000.00
	Total third quarter		9, 253. 65
Apr. 7	T. C. Baker G. W. S. Bell	Drilling well. Erecting building, Key West,	158.40 1,500,00
	do	Fla. Erecting building, Sand Key,	1,500.00
May 5	Hartwell & Crone Dyer Bros., Golden West Iron Works (In-	Fla. Erecting building, Modena, Utah	900.00
7	corporated).	Erecting storm-warning tower and instruments.	360.00
13 27	Hartwell & Crone G. W. S. Bell	Erecting building, Modena, Utah Erecting building, Key West, Fla.	1,500.00 1,000.00
	do	Erecting building, Sand Key, Fla.	1,000.00
	Toffelmire & Gentry	Erecting building, Amarillo, Tex.	2,000.00
June 10	G. W. S. Bell	Erecting building, Key West, Fla.	550, 00
13	T.P. Simpson	Erecting building, Mount Weather, Va.	1,500.00
15	G. W. S. Bell	Key, Fla.	1,770.00
	C. L. Harding	Plans and specifications for building.	225, 00
18	Barber & Ross Hartwell & Crone	Erecting building, Modena, Utah	90.00 $1,721.00$
30	T. C. Baker	Drilling well	262.30
	Total fourth quarter		16,036.70
July 15	Thomas P. Simpson	Erecting building, Mount	1,500,00
27	Toffelmire & Gentry	Weather. Erecting frame building, Ama-	417.00
~1	do	rillo. Installing electric-light fixtures	35.00
	do	Constructing wire fence	521.00 63.00
Aug. 24	Thomas P. Simpson	Plowing and grading grounds Erecting building, Mount Weather.	2,000.00
Sept. 30 Nov. 7	T.P.Simpson	do	2,000.00 1,400.00
	Total supplemental		7,936.00
-			,

# $Expenditures \ of \ Department \ of \ Agriculture \ for \ year \ ending \ June \ 30, 1903-Continuous \ and \ and \ and \ another \ begin{picture}(100,00) \put(0,0){\line(1,0){100}} \put(0,0){\line(1$

#### RECAPITULATION.

First quarter Second quarter Third quarter Fourth quarter South quarter Supplemental	8,941. 9,253 16,036
Total	43.581

#### CABLE AND LAND LINES, WEATHER BUREAU.

Date.	Name.	Nature of payment.	Total
1903. Feb. 4 28 Mar. 5	A. E. Ziehme W. R. Brixey McCay Engineering Co Florida Cattle and Transportation Co McCay Engineering Co Paul Seiler Electrical Works	Laying cable	250
Apr. 14 May 5 June 18	Bishop Gutta-Percha Co McCay Engineering Co The J. M. Klein Electrical Works	Conductor cable. Laying cable Erecting telegraph line.	7,433 30,550 1,950 66 32,566

#### RECAPITULATION.

Third quarter \$7,4 Fourth quarter 32,50	33
Fourth quarter 32,56	36
Total 40.00	00

# STORM-WARNING STATIONS, GLENHAVEN AND SOUTH MANITOU ISLAND MICHIGAN.

Date.	Name.	Nature of payment.	Tota.
1903. Feb. 4 Mar. 24	A. E. Ziehme Flint & Walling Manufacturing Co Rudolph, West & Co Total third quarter	etc. Climbers, shovels, etc	\$30 139 12 ———————————————————————————————————
May 12 19 27	D. H. Day F. E. Fisher Peter Gray Bishop Gutta-Percha Co McCay Engineering Co Total fourth quarter	Telephone polesdododo	50 28
July 31	Supplemental.  Western Telephone Manufacturing Co		40
Sept. 9	National Electrical Supply Co John A. Roebling's Sons Co Total	Pliers Telegraph wire	7

### RECAPITULATION.

Third quarter		\$181
Fourth quarter.		14,722
Supplemental		95
Cappion .	` .	
		- × 000

